

|                                    |  |
|------------------------------------|--|
| <b>CLIENT / CONTRACT LOGISTICS</b> | <b>PROJECT DESCRIPTION, WORK PERFORMED, AND CLIENT INTERACTION</b> |
|------------------------------------|--|

|   |   |
|---|---|
| <p><b>DENVER HEALTH</b><br/>Denver, CO</p> <p>Start: May 2021<br/>Length: current</p>   | <p><b>INFOR/LAWSON POINT MAN FOR TECHNOLOGY</b> - Primary Lawson Application and Technical Expert as well as small project management consultant (wearing all the hats!). Performing LSF9 to LSF10 Environment and Application Upgrade, creating detail level project plan for a Windows 2008R2 to Windows 2012R2 migration, including hardware sizing, and performance benchmarking. WIP ... more to come as the contract and go-live draws closer. Initiated Technical Migration of Infor CloudSuite 11 Financials upgrade in the TEST environment. Client is currently evaluating TEST as for PROD go-live viability.</p>  |
| <p><b>Midwest Technologies Corporation</b></p> <p>Denver, CO<br/>Start: June 2020<br/>Length: April 2019 – July 2020 ongoing remote support;</p>                  | <p>Pursuit of Multiple <b>Amazon Web Services Certifications</b>. Amazon Web Services – Cloud Practitioner – 2020/06 Completed. Amazon Web Services – Solutions Architect – 2020/10 (ETA). Amazon Web Services – SysOps Administrator – 2020/12 (ETA). Amazon Web Services – Developers – 2021/03 (ETA). Docker Systems Development, Clustered (4 Node Configuration). Continued Education with technologies such as C#, C++, Java, JavaScript, Ruby on Rails, Perl, React.js, PHP refresher. Legacy Technologies Refresher with the following: MVS, TSO, ISPF, COBOL, JES2/3, REXX, DB2 (Distributed), COBOL, VSAM XPediter refresher.</p>   |
| <p><b>PENNSYLVANIA PUBLIC SCHOOLS RETIREMENT SYSTEMS</b><br/>Harrisburg, PA</p> <p>Start: May 2019<br/>Length: April 2019 – June 2020 ongoing remote support;</p> | <p><b>INFOR/LAWSON POINT MAN FOR TECHNOLOGY</b> - Primary Lawson Application and Technical Expert as well as small project management consultant (wearing all the hats!). Performing LSF9 to LSF10 Environment and Application Upgrade, creating detail level project plan for a Windows 2008R2 to Windows 2012R2 migration, including hardware sizing, and performance benchmarking. WIP ... more to come as the contract and go-live draws closer. Initiated Technical Migration of Infor CloudSuite 11 Financials upgrade in the TEST environment. Client is currently evaluating TEST as for PROD go-live viability.</p>  |
| <p><b>WellStar Health Systems, Inc.</b><br/>Atlanta, GA</p> <p>Start: January 2014<br/>Length: July 2018</p>  | <p>Infor10 (LSF and LANDMARK) Upgrade (Windows 2012 R2 / SQLSERVER 2014 architecture) ... Primary Technical Go-To Knowledge Base, IPA (employee onboarding) Development, IPA migration and troubleshooting, IPA/Grid/Landmark performance tuning, numerous interface conversions/migrations, technical architecture layout (Windows Clustering, WebSphere Clustering, SQLServer, AD-LDS, XM, etc.). Essentially the go-to person for Q&amp;A, How-To, Troubleshooting, and IX cases. Landmark Updates (10.1.1 CU46-&gt;CU55), XM and XM IPA bi-directional feeds, Onboarding and Offboarding IPA's (ISS, Rich Client, and LSA data record population with HR11 Email Address Query), 30 Miscellaneous IPA/Processflow with Scheduling/ADHOC setups, 10 GO-LIVE Assistance, MSCM Installation and Conversion, etc.</p> |
| <p><b>Navicent Healthcare</b><br/>Macon, GA<br/>Start: May 2014</p>   | <p><b>INFOR/LAWSON POINT MAN FOR TECHNOLOGY</b> - Infor Lawson 10 Installation and Conversion. Performed installations, conversions, 4GL program development, Perceptive Software Oracle Triggers and SQL development. Performed LSF10 troubleshooting with regards to Security, IPA, Landmark Technologies, MSCM, Rquisition Center, EFAX and other</p>  |

|                                    |  |
|------------------------------------|--|
| <b>CLIENT / CONTRACT LOGISTICS</b> | <b>PROJECT DESCRIPTION, WORK PERFORMED, AND CLIENT INTERACTION</b> |
|------------------------------------|--|

|   |  |
|---|--|
| <p>Length: February 2015; ongoing remote support;</p> <p style="text-align: center;"><b>CloudSuite 11</b><br/><b>July 2018 - March 2019</b></p> | <p>technologies. ISS 10.1, MSCM 10.1.5.2, RQC 10.0.5, CTP Script Development for multiple installations, updates and upgrades bringing the LSF10 Environment from 10.0.3 to 10.0.6. BMS/Applications MSP#6 update, BSI 10 environment and application patches; BSI10/Tomcat installation and configuration. AMS and Inforxtreme support; LOADUSERS Perl Scripting to massively load 5,000 Employees and RQC users; AUTOMATED SCRIPT DEVELOPMENT to flow our PO120/EFAX files from the LSF Application server to the outlying EFAX Server; LSO and LANDMARK updates (including LTM 10.2.0 CU6);&amp;nbsp;&amp;nbsp; client mentoring in how-to-handle as to maximize results for each individual case.&amp;nbsp;&amp;nbsp; Operated at LOW (coding, upgrades, debugging), MEDIUM (mentoring Navicent employees, project leadership and direction) and HIGH (Steering Committee direct input CIO and directors) levels.</p> <p>Roadmap/Project plan and technical migration from LSF10 to Infor CloudSuite 11 migration including data migration using the Migration Toolset, ADFS and LDAP BIND to the ADFS Component, Payroll 11 CloudSuite beta client, Primary Technical Liaison between Navicent Healthcare and Infor Xtreme (technical and application troubleshooting).</p>     |
| <p style="text-align: center;"><b>RPI Consulting, LLC.</b><br/>Denver, CO</p> <p>Start: December 2013<br/>Length: January 2015</p>              | <p>Performed numerous Infor LSF10 installations, inclusive of the entire technology stack. Clients include Global Healthcare Exchange (GHX), Evangelical Hospitals, PA, Connecticut Children's Hospital (CCMC), as well as internal RPI projects. Performed Lawson on Windows to Infor 10 on REDHAT/LINUX 6.3 migration; Developed P2V and environment cloning techniques as to allow quicker deployment for RPI. Technology stack includes Windows 2012, Windows 2008 R2, SQLServer 2008 R2, SQLServer 2012, RedHat Linux 6.3, LSO 10, DSP 10.1, Apps 10.0.4, LCT 10.0.4, LandMark 10.0 , IPA 10.1, etc. Exclusive GO-TO person for all the technology Q&amp;A, Troubleshooting, etc. ISS with DSP Federated Security Models (using LSF10 as the primary authenticator) installation and configuration.</p> <p>Installed, Configured, and Supported Conversion for GRID 10.1, IPA 10.1 (Lawson Processflow Integrator to Infor Processflow Automation - .XML to .LPD Conversion), IPA Designer 10.1, Lawson Talent Management 10.2.0 (LTM) (Installation, Sizing, and Performance Tuning), Lawson Landmark Supply Chain Management Apps (SCM, Contracts), Lawson EDI, Lawson ESS/MSS, Lawson Requisition Center, and other software for a Major East Coast Healthcare Provider.</p> |
| <p style="text-align: center;"><b>State of Michigan</b><br/>Lansing, MI</p> <p>Start: January 2012<br/>Length: May 2014</p>                     | <p>High Visibility custom conversion project. Apps 9.1 -&gt; 10.1, Environment 9.0.1 -&gt; 10.1, LBI 9.0.4 -&gt; 10.1 (64 bit hardware switch), Absence Mgmt Migration , multiple upgrades, misc prCustom Conversion; Apps 10.0, Tech (ENV &amp; LCM) 10.1, LBI 10.1, Absence Mgmt 10.1. Performed LAUA to LS Security QUICK MIGRATION. ISS with DSP Federated Security Models (using LSF10 as the primary authenticator) installation and configuration.</p>  |
| <p style="text-align: center;"><b>Apria Healthcare</b><br/>Denver, CO</p>   | <p>Performed <u>100% remote</u> intense support for Apria Healthcare on behalf of Dell/Perot Systems. End user support for hundreds of interfaces spread out amongst multiple products, including JDEdwards, Ariba, ADP, SAP, etc. Fixed JVM issues with BCI, performed analysis regarding their LSF901 WAS 7 x64 horizontal scaling, troubleshooting on day 1.</p>  |

| CLIENT / CONTRACT LOGISTICS   | PROJECT DESCRIPTION, WORK PERFORMED, AND CLIENT INTERACTION   |
|---|---|
| <p>Start: December 2010<br/>End: January 2012</p>   | <p>Applications 901 integration with MSP#6 and the hundreds of modifications.</p> <p>Horizontally and Vertically Scaled (multi-node) <i>largely unique</i> Lawson environment (BCI, Processflow, end-product integration including JD Edwards, Ariba, Customized VAX VMS Interfaces, etc.), as well as a highly customized Application Base (901 MSP#6 – heavy modifications to materials management. Roadmaps AIX 7.1 Upgrade for Dell/Apria (inclusive of LSF901 ESP#9). Day-to-day maintenance of the Lawson Environment, WebSphere 7 x64 updates, and outlying components (Java 1.6, Bouncy Castle updates, etc.)</p> <p>Implemented <i>high visibility</i> (board of directors) project concerning Apria <i>Month End Automation</i>. Using a variety of tools, the monthend process was automated end-to-end (broken up into multiple phases, including pre-monthend work – backups, process restarts, etc., monthend work – roughly 150 jobs required to complete, and post-monthend work – server restarts, quarter-end inventory control processing, security restore, etc.)</p> <p><u>Heavy problem resolution</u> ... worked integrally with both end-users and Lawson GSC/LIS to resolve daily problems. Knowledge transferred with both Apria Employees and Dell Consultants concerning the Lawson Software.</p> |
| <p><b>Federal Reserve Bank</b><br/>Dallas, TX</p> <p>Start: December 2010<br/>Length: 1 Months</p>        | <p>Performed modifications to a new ESS Employee Travel System. <u>Heavy</u> JavaScript, JQuery, AJAX, and Lawson IOS (AGS/DME/IDA) utilization. Performed end-user interfacing with regards to the open LRT's, and made modifications to the necessary web component as to facilitate the necessary solution. Utilized debugging methods and tools such as IEToolBar, Fiddler, and FireBug. Ensured cross-browser compatibility.</p>   |
| <p><b>Park Nicollet Healthcare</b><br/>Minneapolis, MN</p> <p>Start: June 2010<br/>Length: Apria 2011</p> | <p><u>Repeat Client</u>. Performed <i>off-site</i> assistance with legacy 803 ESP updates, LBI 9022 -&gt; 9031 upgrade (inclusive of performance tuning. Performed an LBI server switch (legacy hardware to a new Dell QuadCore XEON 12Gb RAM server). SCALED LBI (3 JVM's, running LBI Reporting Services, Framework Services, and Smart Notes independent of each other). Remote assistance in various go-lives, performed remote services troubleshooting individual LBI reports. DSSO Configuration, LDAPBIND against multiple domain implementation, HTTPS across-the-board configuration and implementation. Set forth Park Nicollet's <b>LSF9 64 bit upgrade</b>.</p> <p><u>Application Development</u>: Created activity-based costing models to develop corporate budgets. Maintained and enhanced a cost accounting system. Implemented a funds transfer pricing system and organizational profitability system. Coordinated and supported implementation of an asset/liability management system. Evaluated and approved system designs and purchases as department system administrator. Maintained system security (LAUA and LS security).</p>   |
| <p><b>Jane Phillips Medical</b></p>   | <p><u>Repeat Client</u>. Set the groundwork for JPMC's 803 -&gt; LSF9 migration, including both <b>hardware</b> and <b>software</b></p>   |

|                                    |  |
|------------------------------------|--|
| <b>CLIENT / CONTRACT LOGISTICS</b> | <b>PROJECT DESCRIPTION, WORK PERFORMED, AND CLIENT INTERACTION</b> |
|------------------------------------|--|

|   |  |
|---|--|
| <p><b>Center</b><br/>Bartlesville, OK</p> <p>Start: ~September 2008<br/>Length: 3 Months</p>  | <p>evaluations/sizing. The LSF9 migration will consist of a cross-platform change (going from Solaris 10 hardware to an IBM AIX 5.3 – RS6000 – P570 P6). Will be vertically scaling the WebSphere Application Servers (3 Clustered AS, with 1024/2048gb of dedicated memory), Will be assisting JPMC (long term client) remotely throughout this LSF9 Migration, with onsite GoLive assistance. DSSO Configuration, LDAPBIND against multiple domain implementation, HTTPS across-the-board configuration and implementation. LBI 9 exploration (replacing Lawson Framework Services, and Crystal stand-alone - non-integrated). <b>Direct Client Contract.</b></p> <p>Set forth JPMC’s Lawson roadmap, presented to JPMC key personnel (CIO, Director of IT, and Power Users responsible for each suite within the Lawson ERP). Performed numerous troubleshooting and knowledge transfer activities <i>after</i> the upgrade was complete, all at no charge to JPMC.</p> <p><b>LSF9 Environment and LSF9 Application Upgrade.</b> Lead Technical Architect. Performed hardware sizing/tuning on an IBM RS/6000 P570 server (designed and implemented LPAR), Oracle RDBMS setup/installation/tuning (9i to 11g upgrade), OS tuning (AIX 6.1), 803 ESP#7 -&gt; LSF9005 Migration, the LSF9005 -&gt; LSF9015 <i>in-place</i> upgrade, and the 803 MSP12 -&gt; LSF9013 Applications <i>triple-skip</i> upgrade. Setup WebSphere in a <i>vertical cluster</i> (3 1536mb JVM's).</p> <p><b>Application Development:</b> Converted and supported financial management system. Implemented general ledger, accounts receivable, accounts payable, fixed assets, payroll, and reporting systems. Trained staff in the use of these systems and recommended process improvements. Designed and maintained system security. Provided financial support for the automotive manufacturer through: consolidations, funding analysis, budgeting, billing estimates, variance analysis, project pricing, new business analysis, forecasting, procurement, monthly and quarterly reporting.</p> |
| <p><b>Lawson Software</b><br/>St. Paul, MN</p> <p>Start: May 2008, May 2010<br/>Length: 3 weeks; <i>ongoing</i></p>                     | <p><u>Continued Lawson Training</u> (LSF9 Administration test-out, LSF9 Migration, LSF9 Installation and Tuning <b>certification</b>). Attended formal classes at Lawson Software University in St. Paul, MN. Certification achieved with regards to LSF9 Administration, LSF9 Migrations, LSF9 Installation and Tuning, as well as LSF9 Security (LS Security). Having worked with the LSF9 technology over the past 3 years, to then take the classwork allowed me to ask questions at a more in-depth and profound level. Initiated beta-framework and interrogation concerning Lawson LSF9 64 bit framework (9.0.1.x series). <b>Direct Client Contract.</b></p>   |
| <p><b>Newmont Mining Corporation</b><br/>Denver, CO</p> <p>Start: January 2008<br/>June 2012<br/>October 2016<br/>Length: 2.5 years</p> | <p><u>Repeat Client.</u> Computer Sciences Corporation (outsourcing company) lead technology and infrastructure consultant. Initial efforts include environment stabilization, problem resolution/troubleshooting, and LSF9 Roadmapping (software, hardware, infrastructure, resources, etc.). Heavy customizations to the legacy Lawson applications (803 MSP#8), and Web Front End components (Employee and Manager Self Service Centers). Prepared new guidelines for future use of MOA (Addin’s), Source Code Modifications (core vs. non-core modifications), Served from time to time as a liaison between CSC and Newmont personnel. DSSO Configuration, LDAPBIND against multiple domain implementation, HTTPS across-the-board configuration and implementation. Mentored CSC Personnel, and Performed Application/Enhancement Discovery for</p>  |

|                                    |  |
|------------------------------------|--|
| <b>CLIENT / CONTRACT LOGISTICS</b> | <b>PROJECT DESCRIPTION, WORK PERFORMED, AND CLIENT INTERACTION</b> |
|------------------------------------|--|

|  |   |
|--|---|
| <p>December 2018</p>   | <p>Newmont. Utilized Fiddler (http/https traffic capturing tool) to both analyze and debug web related activities (both custom and lawson delivered SEA's).</p> <p><b>LSF9 Environment and LSF9 Application Upgrade.</b> Lead Technical Architect. Performed hardware sizing/tuning, Oracle RDBMS setup/installation/tuning, OS tuning (HPUX 11.23), 803 ESP#7 -&gt; LSF9005 Migration, the LSF9005 -&gt; LSF9015 <i>in-place</i> upgrade, the 803 MSP12 -&gt; LSF9013 Applications <i>triple-skip</i> upgrade, and retrofit of more than 700 custom applications, tables, and metadata components (skndefs, SR's, OR's, scripts, etc.). Designed specifications for and implemented Perl custom scripts to both query (creating ESS CSV output) and update LDAP content (update employee ESS content).</p> <p><u>Application Development:</u> Provided management consulting services to the public sector through the implementation of accounting, purchasing, budget, and asset management systems. Reviewed business processes, created conceptual designs, system testing, training, and support of all aspects of the systems both functional and technical. Served as team leader for inventory implementation. Served as team leader for testing and integration of a web based time and expense system. Served as lead analyst for asset management implementation. Responsible for marketing, recruiting, staff development, and project management.</p> <p>Rescue Project for downed, non-supported system, architecture, software(s) – knowledge transfer with InforSys personnel as they have no idea how to maintain the system.</p> |
| <p><b>2008 Lawson Software User Conference (CUE)</b><br/>Las Vegas, NV</p> <p>Start: March 2008<br/>Length: March 2008</p> | <p><u>Co-presenter</u> (with Jerry Anhaut of Lawson Software). We will be demonstrating a series of <i>real-time</i> tests, exhibiting the behavior of LSF9 (as implemented in a horizontally &amp; vertically scaled configuration). This presentation will cover configuration of all components required to achieve this architecture (including supported OS requirements, Websphere Clustering, and LSF9 requirements (shared file systems, and Data -&gt; RDBMS ). At the end of the presentation, we'll demo, in <i>real-time</i> how LSF9 works <i>in a scaled environment</i> when both hardware and software fail! Build out the VM (windows 2003 r2, lsf9004 environment, lsf9004 applications, Microsoft ADAM, etc.) ... VM was used at more than 6 different presentations!</p>  |
| <p><b>Memorial Hermann</b><br/>Houston, TX</p> <p>Start: January 2008<br/>Length: May 2008</p>                             | <p><u>High Visibility Project</u> – at the request of Lawson Software's current Vice President of the Healthcare Vertical, rescued an LSF9 migration (803 to 900) and Application Upgrade (803-&gt;900 skip). Performed both high level project management activities, and low-level, detail oriented work. Identified conversion problems, incorrect legacy setup, and problem resolution. Addressed LDAP (Tivoli Directory Services) changes via batch scripting (perl code referencing TDS's <i>ldapmodify</i> utility). DSSO Configuration, LDAPBIND against multiple domain implementation, HTTPS across-the-board configuration and implementation. Set forth a project plan to assist Memorial Hermann with multiple passes for the migration efforts (including restore-points, to allow a seamless reset of the LSF9 base installation. Assisted with identifying bottlenecks of the APPLICATION DOUBLE UPGRADE (803 to 810, 810 to 900 – hint – many indexes need to be dropped, but not all of them!) <i>Most work performed remotely, during off hours!</i></p>   |

|                                    |  |
|------------------------------------|--|
| <b>CLIENT / CONTRACT LOGISTICS</b> | <b>PROJECT DESCRIPTION, WORK PERFORMED, AND CLIENT INTERACTION</b> |
|------------------------------------|--|

|   |   |
|---|---|
|   |   |
| <p><b>Catholic Health Initiatives</b><br/>Denver, CO</p> <p>Start: March 2004<br/>Length: November 2007</p> | <p>Senior Technical Lawson Lead and Systems Architect – <b>Enormous</b> implementation involving a <u>48 Hospital Rollout to a centralized Lawson System</u>. Served as technical infrastructure lead and sounding board for CHI’s Steering Committee. Performed installs, upgrades, and conversions of Lawson Applications (8.1 MSP#5, MSP#6), Lawson Applications 9.0.0.3, Lawson Environments (8.0.3 &amp; LSF 9.0). Performed <i>rigorous</i> (low-level) troubleshooting efforts with regards to Lawson Applications (numerous debugging techniques, Environment, RSS, BSI, MHC, Relational Database (Oracle 10g / SQLServer 2000/2005) Performed performance tuning of Apache/Tomcat/RMI/Lawson utilizing <i>Mercury Loadrunner</i>. Installation, Setup, Configuration of LBI 9 (IIS/Websphere/Oracle, and IIS/Tomcat5/SQLServer installations). Infrastructure design and implementation utilizing AIX 5.3 (TL#5) in a dual webserver / shared disk mode (GPFS). Performed server sizing (hardware, disk space usage/utilization from both an Oracle and Lawson perspective). Performed ESP#6-&gt;ESP#7 upgrades amongst the 9 different environments, 27 different productlines, and 7 different AIX servers. DSSO Configuration, LDAPBIND against multiple domain implementation, HTTPS across-the-board configuration and implementation. Performed BSI 7.0.L -&gt; BSI 8.0.F upgrade (scope impact/analysis to our power-users). Served as the primary lead for problem resolution for complex issues (Requisition Self Service, Application Failures – Payroll, Materials Mgmt., Financials, Warehouse, Inventory Control, General Ledger, Accounts Payable, Accounts Receivable, Strategic Ledger, etc.). Successfully compiled mod_jk.so (1.2.25) on AIX – a challenge for even those who are technically versed!</p> <p>Performed in-depth analysis of the Lawson Application Upgrade process (from 8.1.MSP#6 to 9.0.0.x), including Application and Database <i>differences</i>.</p> <p>Performed hardware sizing and software tuning utilizing <i>Mercury Loadrunner</i>®, and <i>VuGen</i> scripting (as to allow dynamic content mimicking user actions). Tuned AIX 5.3 (Web/App/DB servers), Apache 2.0.59, Tomcat 4.1.31, Lawson IOS (RMI), Lawson Env, and Oracle 10G based on the results (bottlenecks) gathered during the load process. Deployed Mercury load generators at various locations throughout the country, therein stress testing the network (as to approximate user location and response times).</p> <p>Spawned 15 total enhancement requests, ranging from low-level technical to application (technical). Visit <a href="http://www.lawsonwhiz.com/html/enhance_req.html">http://www.lawsonwhiz.com/html/enhance_req.html</a> for more information. Drafted Lawson System Foundation (LSF) Visio High-Level document, detailing the installations horizontal and vertical attributes (server sizing, ports, software versions, etc.) (<a href="http://www.lawsonwhiz.com/shared/download/mtc_900_vert_hor_scaled_infra.jpg">http://www.lawsonwhiz.com/shared/download/mtc_900_vert_hor_scaled_infra.jpg</a>).</p> <p>Requisition Server Service. Performed RSS implementations (8.1.0.6.x, 8.1.0.50-54.x, and 9.0.0.x) as well as required Application CTP’s. <i>Large</i> troubleshooting efforts with regards to RSS performance (spawned an internal change within Lawson in terms of RSS shifting the workload from the webserver to the appserver – using localhost on the internal calls, eliminating web-to-appserver traffic), decompiled and studied RSS (8.1.0.52.14) - constant troubleshooting efforts!</p> |

|                                    |  |
|------------------------------------|--|
| <b>CLIENT / CONTRACT LOGISTICS</b> | <b>PROJECT DESCRIPTION, WORK PERFORMED, AND CLIENT INTERACTION</b> |
|------------------------------------|--|

|  |   |
|--|---|
|  | <p>Installed, configured, and assisted tuning (splitting off sections of LBI to their independent Websphere Application servers) Lawson LBI (versions 9.0.0.x thru 9.0.1.x). Performance tuning/analysis Installed, configured, and performed troubleshooting techniques (trigger errors) with Lawson PSA (versions 5.2, and corresponding Lawson Application core service packs).</p> <p>Performed Websphere Application Server installation, clustering (in a horizontally &amp; vertically scaled configuration) with both versions 6.0.x (referencing JVM 1.4.2.x) and 6.1.x (referencing the 1.5.x JVM). Performed Bouncy Castle JVM public encryption algorithm integration against multiple JVM's (including validation). Installed, configuration, and referenced both Microsoft ADAM, and DB2 as a function of determining which LDAP would be used (went with ADAM, for AD BIND reasons).</p> <p>Designed, Implemented, and Documented both legacy 8.0.3 and LSF 9.0 environments, listing key components such as IPC's, Ports, File Systems, etc. Visit <a href="http://www.lawsonwhiz.com/html/arch_diag.html">http://www.lawsonwhiz.com/html/arch_diag.html</a> a pictorial presentation of these environments!</p> <p>Developed countless scripts utilizing kornshell, PGP, perl (and perl modules), awk/sed/exspect/scp and other unix level utilities. LAPATCH was developed to help ease the applying of CTP's to CHI's 27 productlines (and growing). Developers could, in 1 LAPATCH command, apply multiple (anywhere from 1 to N) CTP's. LAPROP, another developed lawson admin script, was used by Lawson administrators to <i>massively and quickly</i> promote a custom program throughout all productlines (including productlines under different environments and physical servers). <b>Direct Client Contract.</b></p> <p><u>Application Development:</u> Responsible for the initiation, planning, and implementation of Lawson human resources system including personnel administration, payroll, benefits and time accrual. Initiated, planned and implemented an accounting system for receivables and payables. Planned and implemented a mortgage pipeline risk management system. Planned project for the technical delivery of an asset/liability management system. Designed and managed development of a broker fee tracking system. Responsible for creating and monitoring scope and deliverables, creating work breakdown structures, obtaining and assigning resources, mentoring other project managers and managing time, cost and quality of deliverables.</p> |
| <p><b>LawsonWhiz</b><br/>Denver, CO</p> <p>Start: December 2000<br/>Length: <i>ongoing</i></p> | <p><b>Authored:</b> <a href="http://www.lawsonwhiz.com/html/pitfalls.html">http://www.lawsonwhiz.com/html/pitfalls.html</a> - Eleven Pitfalls to avoid during a clients Lawson Software Implementation and Upgrade.</p> <p><b>Product Sales:</b> <a href="http://www.lawsonwhiz.com/html/lalog/index.html">http://www.lawsonwhiz.com/html/lalog/index.html</a> - Initiated Product Sales for LALOG – a monitoring product that stores and records who's been doing what actions, in which program / productline, how often, etc.</p>  |
| <p><b>State of Texas</b><br/>Austin, TX</p>  | <p>Senior Technical Lawson Lead – Lawson Application Upgrade. Performed analysis as to software and hardware requirements for the Lawson 724 to 803 Application upgrade. Met and lobbied with Systems, Oracle, and hi-ranking State of</p>  |

|                                    |  |
|------------------------------------|--|
| <b>CLIENT / CONTRACT LOGISTICS</b> | <b>PROJECT DESCRIPTION, WORK PERFORMED, AND CLIENT INTERACTION</b> |
|------------------------------------|--|

|  |  |
|--|--|
| <p>Start: July 2004<br/>Length: September 2004</p> | <p>Texas officials, in a no-frills, laying-it-on-the-line, fashion. Formulated 3,215 step project plan, gathered metrics, optimized upgrade, and successfully navigated Texas' bureaucratic red-tape in implementing the Lawson 724 to 803 (MSP#8) Application Upgrade. Worked integrally with existing State of Texas employee's and contractors, meshing together all personalities, resulting in a successfully work environment and project implementation. Worked with hardware (IBM AIX RS6000) and Oracle 9i (9205) database. Lawson Materials Management troubleshooting (IC50/IC229/IC500). From Project Management, to Detailed Technical Analysis, to Hands-On-Work ... this contract called for it all! Received accommodation from State of Texas IS Manager. <b>Technical Liaison for Johnson Consulting Services.</b></p> <p><u>Application Development:</u> Information system manager and benefits manager for 50,000 employees. Implemented Lawson employee and manager self-service systems. Developed interfaces for performance management and commission pay systems. Responsible for the implementation of a web-based time management system. Designed interfaces between human resource system and time management system. Created functional system designs and procedures. Developed and implemented interfaces for 401k, flexible spending accounts, check printing, tax filing, new hire reporting, general ledger, payroll distributions, and compensation. Designed migration plan and created extracts for Lawson employee master, supervisors, jobs, pay and deductions, sick and vacation time, medical, dental, 401k and other benefits. Served as lead for Lawson payroll implementation. Created workflow processes, system design, testing and analysis.</p> |
|--|--|

|  |   |
|--|---|
| <p><b>Memorial Hospital</b><br/>Colorado Springs, CO</p> <p>Start: January 2004<br/>Length: 3 Months</p> | <p><u>Senior Technical Lawson Lead</u> – Lawson Implementation. In-house legacy system analysis and conversions. DB2 8.1 Instance Setup. Unix (AIX 5.2) and Lawson knowledge transfer with Memorial Personnel. Legacy data conversion – HR &amp; Payroll (HR511, HR155, TA125, PA512, PR512, HR521, PR514, TA570, PR560). Custom perl (cgi-lawson), ksh scripts to truncate db2 data, perform log file maintenance/cleanup, etc. HR/PR data setup. Application Patch Maintenance (802-&gt;803 cyclical, and MSP's.) Lawson Environment cyclical and portal synchronization (including IBM Websphere). <b>Direct Contract.</b></p> <p><u>Application Development:</u> Responsible for installing and maintaining enterprise resource planning systems. Configure applications, databases, and web servers for Lawson, PeopleSoft, and Crystal Reporting suites. Install and maintain applications for human resources, accounting, procurement, and distribution. Import and maintain API data using SQL. Install and configure application, database, and web servers for time and attendance systems. Responsible for database administration for Oracle and Microsoft SQL Server. Create interfaces for payroll, human resources, and time and attendance systems. Design and implement security settings (LAUA and LS Security modules).</p> |
|--|---|

|   |  |
|---|--|
| <p><b>St. Johns Medical Center</b><br/>Tulsa, OK</p> <p>Start: January 2004<br/>Length: ongoing</p> | <p><u>Repeat Client.</u> Technical assessment of Lawson environment (802) on AIX (5.2). Portal problem/troubleshooting. Knowledge transfer to SJMC's technical lead. Fixed materials management implementation problems/issues ... assisted with HR implementation and interface(s). <b>Direct Contract</b> – Client referral (JPMC – sister company direct referral). Performed 802 Environment Service Pack 9, associated IOS Service Pack 9, and 803 Application Maintenance Service Pack 8. Onsite support for Lawson users while key employee's were on vacation/training. Knowledge transfer with existing</p> |
|---|--|

| CLIENT / CONTRACT LOGISTICS | PROJECT DESCRIPTION, WORK PERFORMED, AND CLIENT INTERACTION |
|-----------------------------|---|
|-----------------------------|---|

|  |   |
|--|---|
|  | employee's during contract duration.  |
| <p><b>Jane Phillips Medical Center</b><br/>Bartlesville, OK</p> <p>Start: September 2003<br/>Length: January 2012</p>    | <p><i>Repeat Client.</i> Cross Platform Migration – Lawson/NT to Lawson/Unix. Lateral Build of Lawson Environment, Lawson Applications, Oracle, Unix Printers, Users, etc. required to migrate off of Microsoft NT to Sun Solaris 5.9 (Unix). Installation and configuration of IOS Remote on Sun/Solaris. Installation and configuration of Tomcat 406, Apache 1.3.27, and Perl 5.8 on Sun Solaris. Development of custom password synchronization between unix passwords (NIS) and apache password files, Lawson Portal user screen defaulting – bookmark, role, and role/groups administration. DSSO Configuration, LDAPBIND against multiple domain implementation, HTTPS across-the-board configuration and implementation. Lawson Processflow, EDI, CLEO A+ setup and configuration. Oracle 9.2.0.4 upgrade, tuning. Go-live and post go-live onsite support. <b>Direct Contract.</b> Received an accommodation from JPMC's CIO (chief information officer).</p> <p>LSF901 Environment and Application Upgrade (skip from 810/900 environment). High Level impact analysis, hardware sizing/tuning, 32-64 bit analysis (non-lawson integrated components), Application Skip Upgrade (810 MSP#8 -&gt; 901 MSP#6), AIX 5.3 -&gt; 6.1 Upgrade, Oracle 10g -&gt; 11g upgrade, Microsoft ADAM -&gt; Microsoft AD LDS upgrade, Micro Focus 5.0 -&gt; 5.1 64 bit support upgrade, BSI 9 32 -&gt; 64 plus version upgrade, EDI/RSS/VSS/ESS/etc. 901 Upgrades, JPMC customizations re-integration, Lawson Security Reintegration (from 810 productline name "PROD81" to 901 productline "PROD9), worked integrally with JPMC personnel to knowledge transfer the new LSF901 environment features and support requirements, post-golive support to ensure a smooth/seamless transition. <b>Direct Contract.</b></p> |
| <p><b>Keystone Foods Corporation</b><br/>Homedale, NJ</p> <p>Start: November 2003<br/>Length: 2 Months; January 2004</p> | <p>Developed and implemented dynamic employee renumber programs/scripts utilizing Lawson 4GL and Oracle (sqlplus/plsql). Performed critical data analysis, benchmarking, oracle tuning, and other tasks necessary to ensure the integrity of Keystone's application data. All worked performed in a 100% remote fashion (secured highspeed internet connection). <b>Technical Liaison for NetAspx.</b></p>  |
| <p><b>Zebra Technologies</b><br/>Chicago, IL</p> <p>Start: July 2003<br/>Length: 2 Months; ongoing</p>                   | <p>High-profile Lawson client. Performed Lawson Environment Upgrade (733 to 802), Lawson Application Installation (803 &amp; Latest MSP), Lawson Application Upgrade (726 to 803), Apache 1.3.27 Installation, Tomcat 4.0.6 Installation &amp; Configuration, and Micro Focus Server Express 2.0.11 Installation (backwards compatible w/Object Cobol 4.1 via License Manager). Sized Oracle Database (multiple SID's and Tablespaces) to accommodate the upgrade, worked with Zebra Management and NetAspx personnel to etch out the work required for the upgrade. Data sizing (8.0 tables) and tuning w/the onsite Oracle DBA. <b>Technical Liaison for NetAspx.</b></p>   |
| <p><b>Franchise Services</b></p>   | <p>Developed custom applications for FSC Payroll, automated entry dates on PR197 (Payroll Close), develop a "Top 25 / Bottom 10" Report for each payroll cycle, developed "Salaried Turnover" Reports, and other applications as required by end-</p>   |

| CLIENT / CONTRACT LOGISTICS  | PROJECT DESCRIPTION, WORK PERFORMED, AND CLIENT INTERACTION  |
|--|--|
| <p><b>Corporation</b><br/>Kansas City, MO</p> <p>Start: August 2003<br/>Length: 1 Month; ongoing</p>               | <p>client management. Designed, developed and implemented an Employee Average Hours Update program for both time accrual and benefits user fields (HR11.1) <b>Direct Contract.</b></p>   |
| <p><b>Plan Vista Solutions</b><br/>Tampa Bay, FL</p> <p>Start: June 2003<br/>Length: 2 Months;</p>                 | <p>Performed a technical assessment of Lawson on NT (e.g. configuration, troubleshooting, performance tuning, hardware analysis, etc.). Recommend the client drop Lawson/NT for Lawson/Unix. Design, developed, and implemented AR Invoice feed into Lawson via AR575. Developed interface with key users, worked through dirty-data issues.</p> <p><b>Technical Liaison for NetAspx.</b></p>  |
| <p><b>WGBH Educational Foundation</b><br/>Boston, MA</p> <p>Start: January 2002<br/>Length: 1.5 Years; ongoing</p> | <p><u>Repeat Client.</u> Lawson Software <i>double upgrade</i>. Emergency Project ... Unsupported Lawson Application and Environment ... Lawson Application Upgrade Planning and Implementation (708-&gt;723 Apps, 706-&gt;733 Environment), then 723-&gt;725-&gt;802 Apps, 733-&gt;802 Environment), Micro Focus Server Express 2.0 Implementation, Oracle Database Upgrade (816-&gt;817), Disk Storage Requirements for both Lawson Insight Applications, Print Manger, Work Files, and Environment, and Oracle (Tablespace and extents optimization), Development of an Overall Implementation Plan (Technical and Application Pre/Upgrade/Post Jobs), Implementation of LAPAGE for the upgrade process (<b>client recommendation</b>). Ongoing modifications, enhancements, fixes to WGBH Grants Module (written by Grant Thorton/Experio). Portions of work for both upgrades and modifications performed high-speed, remote (secured VPN, SSL).</p> <p><u>Repeat Client.</u> Initiated Lawson Application Skip Upgrade (7.2.5 -&gt; 8.1.0 MSP#3). Co-Developing project plan with WGBH key personnel, including the integration of their custom written Grants Module (75 programs, 50 tables, 193,125 lines of source code) . Installed and configured current environment (8.0.3 ESP#4), including Lawson Portal 3.1.4 (apache 2.0.52 w/DSO, PHP, and Mod_Jk 2.0.6).</p> |
| <p><b>Park Nicollet Healthcare</b><br/>Minneapolis, MN</p> <p>Start: February 2001<br/>Length: 1 Year;</p>         | <p><u>Repeat Client.</u> Lawson Insight Upgrade (708-&gt;723 Apps, 706-&gt;733 Environment), Oracle Database Upgrade (734-&gt;816), Hardware Platform Switch (IBM/RS6 4way -&gt; SP2 16 way). Developed Overall Upgrade Plan (Technical and Application), File System (Unix) Space Requirements &amp; Usage, Tablespace (Oracle) Requirements &amp; Spacing, Oracle Database Tuning (SGA, &amp; Unix Kernel), Lawson Tuning, Backup Procedures &amp; Disaster Recovery procedures. <b>Second Stage Upgrade</b> evaluation (Lawson 723-&gt;8012 Apps, Lawson 733-&gt;8011 Environment). Evaluation and testing of affected components (Hardware, Operating System, Database, Micro Focus Server Express, and Additional Storage Requirements. Issued recommendation for client to stay with Lawson 723 Product Line, as the 8 series was not <i>mature/stable</i> (cost prohibitive).</p>   |
| <p><b>SES Corporation</b></p>  | <p>Lawson Human Resource, Financials, Procurement, and Supply Chain implementation on an NT / SQL*Server 7 platform. Responsibilities include sizing the hardware, tuning the software, developing specifications for application development,</p>   |

| CLIENT / CONTRACT LOGISTICS  | PROJECT DESCRIPTION, WORK PERFORMED, AND CLIENT INTERACTION   |
|--|---|
| <p>Auburn Hills, MI</p> <p>Start: August 1999<br/>Length: 6 Months</p>   | <p>assisting the SES Project Manager in her duties (as they relate to Lawson Software), Problem Resolutions, beta site Testing/Administration of Lawson Pay-To-Bill component (system code PB). <b>Technical Liaison for CyberSoft Ltd</b></p>  |
| <p><b>Nation's Rent Corporation</b><br/>Ft. Lauderdale, FL</p> <p>Start: June 1999<br/>Length: 2 Months</p>        | <p>Lawson HR problem resolution; Lawson Technical Administration and problem resolution (Network traffic, throughput); PrintQueue and JobQueue problems on Environment 7.0.8; a remote access client; <b>Technical Liaison for Osage Corporation</b></p>  |
| <p><b>Experian Corporation</b><br/>Anaheim, CA</p> <p>Start: May 1999<br/>Length: 2 Months</p>                     | <p>Lawson HR Implementation; Interface definition, mentoring, tutoring; Assist PriceWaterhouseCoopers in "saving" the project, training personnel to program utilizing Micro Focus COBOL and Lawson Software tools, Database Definition, Database Tuning, Sun Hardware selection (number of controllers on system board) for Oracle Tuning Purposes; <b>Technical Liaison for Price Waterhouse Coopers</b></p>  |
| <p><b>Video Update Corporation</b><br/>St. Paul, MN</p> <p>Start: January 1999<br/>Length: 4 Months</p>            | <p>Lawson Y2K Upgrade; Environment and Application; formal classes on Micro Focus COBOL (3 day class), and Lawson utilities (\$GENDIR/bin). Mentoring, tutoring, Pro*COBOL installation &amp; training; MASSIVE upgrade to New HARDWARE, New Oracle Software, New Lawson Software, New Operating System Software; <b>Direct Contract.</b></p>   |
| <p><b>HealthSystems of Minnesota</b><br/>Minneapolis, MN</p> <p>Start: June 1999<br/>Length: 6 Months; ongoing</p> | <p>Lawson Financials conversion from D&amp;B to Lawson FN 7.0.6; Hardware and Software upgrade; Hardware PORT from HP-UX to AIX operating system / machinery; Lawson technical class and Micro Focus COBOL application programmer class; Lawson Environment Upgrade from 2.2.4 to 7.0.8; <b>Technical Liaison for Conklin and Conklin</b></p>   |
| <p><b>McDonalds Corporation</b><br/>Chicago, IL</p> <p>Start: January 1998<br/>July 2003<br/>2009, 2012,</p>       | <p><u>Repeat Client.</u> Technical expert leading Lawson HR Implementation from D&amp;B to Lawson HR 7.1.2; Responsible for training, defining tools and standards for a team of 30 McDonald and IBM employee's; 24/7 support; Developed Pro*COBOL integration (1<sup>st</sup> world-wide) into Lawson Software programs; assisted in interfaces (Exec NonQualified Payoutsouts) and user-exits; bottleneck/fine tuning of HR511 and PR560 - brought HR511 down from 11 days to 5 days of pure load time &amp; PR560 from 27 days to 9 days; <b>Technical Liaison for IBM Global Services.</b> Integrated, Optimized,</p> |

| CLIENT / CONTRACT LOGISTICS | PROJECT DESCRIPTION, WORK PERFORMED, AND CLIENT INTERACTION |
|-----------------------------|---|
|-----------------------------|---|

|   |  |
|---|--|
| <p>May – December 2016<br/>Length: 4 years</p>  | <p>and Regression Tested Pro*COBOL for the Lawson 802 Environment.</p> <p>REMOTE: AIX 7.1 to REDHAT 7.2 migration including customized Pro*COBOL integration into the Lawson RunTime System. Troubleshooting, go-to point man on technology questions and/or problems.</p> <p>REMOTE: AIX (PARISC) -&gt; LINUX (REDHAT) LSF10 upgrade, migration, application upgrade, and conversion. Re-integration of Pro*COBOL (SQL) programs into the new Infor/Lawson architecture. Troubleshooting, Knowledge Transfer, and other senior level tasks as to ensure the success of the upgrade/migration project. Received a Letter of accommodation from McDonalds Program Manager and Steering Committee.</p> |
| <p><b>Walgreen Corporation</b><br/>Chicago, IL</p> <p>Start: June 1998<br/>Length: 6 Months</p>     | <p>Lawson HR Implementation from D&amp;B to Lawson HR 7.1.2; Pro*COBOL interfaces for Frick/W2 Quarterly Processing, US Government Savings Bond, Non-Qualified Payouts, Average Hour Assistance; Web Infrastructure exploration; High-speed Laser printer testing for Checks (roughly 18,000 per month), ACH/DD testing with major US banks. Lobbied BSI for tax support of several miscellaneous taxes in Nevada. <b>Technical Liaison for Price Waterhouse Coopers</b></p>   |
| <p><b>Butler International</b><br/>Montvale, NJ</p> <p>Start: October 1997<br/>Length: 3 Months</p> | <p>Lawson infrastructure design, and setup; Interface and program modifications, time-entry and direct deposit changes, testing of ACH with Bank of Boston, Class on Micro Focus COBOL "callouts" to perform unix level work (Elizebeth), General Ledger conversion from MVS OS390 legacy GL (inhouse) system.</p>   |
| <p><b>UFE Corporation</b><br/>Minneapolis, MN</p> <p>Start: June 1997<br/>Length: 5 Months</p>      | <p>Lawson upgrade from 5.x to 7.0; both environment and apps; Modification of customized 5.0 "mission critical reports" which did not convert properly to 7.0; Training and mentoring of new Lawson Personnel; Formal Class for the users on Environment upgrade differences (Print Manager, Jobschedule, adding jobs, etc.)</p>   |
| <p><b>Revlon Corporation</b><br/>Edison, NJ</p> <p>Start: January 1997<br/>Length: 6 Months</p>     | <p>Lawson HR / Payroll Installation and Conversion from Ceridian and MVS Legacy based system; Multiple RS6000 architecture; Massive script development replicating MVS JCL; Formal Classes for Revlon, Aurther Andersen, and Matrix Consulting employee's. <b>Technical Liaison for Aurther Andersen</b></p>   |
|   | <p>Lawson / Micro Focus COBOL evaluation; Migration from AcuCOBOL to Micro Focus COBOL; Micro Focus 3<sup>rd</sup> Party</p>   |

| CLIENT / CONTRACT LOGISTICS  | PROJECT DESCRIPTION, WORK PERFORMED, AND CLIENT INTERACTION  |
|--|--|
| <p><b>Tescom Corporation</b><br/>Minneapolis, MN</p> <p>Start: April 1995<br/>Length: 2 Years; Ongoing</p>                   | <p>Solution Provider client; Micro Focus SQL Option evaluation - embedded SQL processing within DBSI (ISO9000) Manufacturing COBOL system, processing SQL against IDX based file structures; <b>Technical Liaison for Micro Focus LTD.</b></p>   |
| <p><b>Pillsbury / Cargil Corporation</b><br/>Minneapolis, MN</p> <p>Start: January 1995</p>                                  | <p>COBOL / DB2 / Easytrieve Project Development; COBOL, DB2, JCL Development; Project Leader for small team leading small modifications to existing legacy system; JCL and COBOL changes;</p>  |
| <p><b>LaFarge Construction Materials</b><br/>Calgary, ED (Canada)</p> <p>Start Date: September 1994<br/>Length: 4 Months</p> | <p>Lawson mission critical reports for Project Accounting module; Placed on behalf of Lawson Software's ... delivered, under extreme pressure, 5 mission critical management reports off of which LaFarge Construction Materials made multi-million dollars, quarterly decisions. Formal documentation on these reports; Offsite support, questions, fine-tuning of the LADB database (2 Gig Filesystem Limitation);<br/><b>Technical Liaison for ESP Software Services and Lawson Software</b></p>  |
| <p><b>Kent Electronics</b><br/>Houston, TX</p> <p>Start: February 1994<br/>Length: 6 Months</p>                              | <p>Micro Focus COBOL migration from Wang VS COBOL; recommended and placed at the request of Micro Focus 3<sup>rd</sup> Party Solution Provider Jeffrey Dalhberg; File locking problem and resolution - implemented Informix on a Sun E4500 architecture; This replace Micro Focus based IDX file structure; <b>Technical Liaison for Micro Focus LTD</b></p>   |
| <p><b>Micro Focus LTD</b><br/>Palo Alto, CA</p> <p>Start: February 1994</p>  | <p>Achieved Micro Focus 3<sup>rd</sup> Party Solution Provider status; Put on "the list" to assist with client installations, questions, migrations, and problems resolution. Phone, Onsite, and Remote support.<br/><b>Technical Liaison for Micro Focus LTD</b></p>  |
| <p><b>State Farm Insurance Cos.</b><br/>Bloomington, IL</p> <p>Start: January 1989<br/>Length: 4 Years</p>                   | <p>DB2 (local and distributed), JCL, COBOL/COBOLII, Micro Focus COBOL via OS/2, File-Aid, Xpeditior, DB2/2, VSAM, IDCAMS, IEBGENER, etc. Insurance Apps, Report processing; Advanced Function Presentation. Heavy Distribution Print (back-end) processing. State Farm is IBM's 2<sup>nd</sup> Largest Vendor ... running 50 IBM 3090's, and 12 IBM ES9000's across 23 Regional Offices. <i>Large emphasis</i> on Quality Control throughout the project life cycle. Initiated Micro Focus COBOL</p> |

|                                    |  |
|------------------------------------|--|
| <b>CLIENT / CONTRACT LOGISTICS</b> | <b>PROJECT DESCRIPTION, WORK PERFORMED, AND CLIENT INTERACTION</b> |
|------------------------------------|--|

|  |   |
|--|---|
|  | (development procedures) on IBM OS/2 platforms. Several large projects, including Distributed DB/2 (Regional Office Communication Project). |
|--|---|