

Lawrence L. Jett, Jr.

(573) 200-0577 (Cell-Perm)

(314) 398-4335 (Cell -Alternate)

E-mail: datajett@aol.com

URL: <http://www.datajett.com/>

Work Experience Summarization:

Windchill PLM Experience: I have previous experience in Windchill Administration, Customization/Development, Implementation, Installation, Configuration, Migration/Upgrade, Instructor or Solution Architecture since April 2002 with the following firms (oldest to most recent): TRW, Lincoln FS, FN MFG, Enser (PTC VAR), NASA Stennis, Lockheed Martin, General Dynamic, Avalon (Sweden PTC VAR), ITT Aerospace & NASA Goddard. I have Windchill (PdmLink & Projectlink) experience on versions 5, 6.2.6, 7, 8, 9.0 & 9.1. I have previously trained & tested on my own privately purchased PTC University (Web Based Training) CCC subscription. I have years of Windchill Java, JSP, XML, SQL, HTML, JavaScript & IE Webject development. Pertinent experience with JDBC, Oracle, Apache, Tomcat, Aphelion (DS) & Oracle. Along with db, solution & web services performance tuning of a PLM Enterprise.

Sample Windchill Development: http://www.datajett.com/windchill/WC_Dev.doc

Current PTC University Transcript: <http://www.datajett.com/Resume/Transcript.pdf>

Cad (Unix & NT) System Administrator

7000+ hrs. ProEngineer (PTC) [R11-Wildfire3] & UGII (Unigraphics) [V8-NX2] as Sys Admin., Application Development & Support. Help desk on Unix & Windows NT (Win32 Client/Server) Platforms. Duties have included installation, configuration, implementation & maintenance for software, hardware and operating systems. Instrumental in the installation and maintenance of Internet/Intranet (LAN/WAN) & plotter systems. Developed and maintained many interactive & supplemental CAD, Scientific & Operating Systems programs. Experience with Windchill ProjectLink, PDMLink & Windchill API (Java, JSP, J2EE, Jdbc). (Samples of Work below).

Development / Programming / Analyst: (10+ yrs total - Since 1985 & College)

Unix Shell/Perl /C/CGI/SQL/Html/JavaScript/PHP, including OO (Java/C++/VC++/ModPerl) and .Net, VB5/6 Development. Unix Shell Script in Bash, Bourne, Korn & Csh environments on HP-UX, ULTRIX, DEC, IRIX, AIX & SunOS platforms. Experience with Perl / Shell / DOS / SQL dB front-end & middleware development (Oracle). FrontPage98/2000, API's, MS VB & Access on Windows 95 / 98 / 2000 / NT. Dos/Bat Development.

Most development projects followed a common practice: Full Life-Cycle Development Methodology,

Which included: requirement specification, design specification, software coding, test plan and Testing process, technical and user documentation, implementation, installation/configuration/user training, software delivery and maintenance.

CADD Interactive Programming/Development: for ProE or UGII (Light Catia).

ProToolKit in C/C++/.Net, Web.Link, JLink & UGII UserFunction in C++/.Net (ANSI) & Grip.

Network Experience:

LAN/WAN with Client/Server and Peer-to-Peer Network Architectures. Little Topology knowledge. Most familiar with Network/Systems Layer 7 (Application Layer). Protocols Usage (data transit / transfer): TCP/IP, UDP, RFC, FTP, Telnet, VRRP, SNMP, SMTP, POP3, HTTP, Internet, Intranet, Ethernet, Dial-up. Unix transmit/transfer/network command tools: rsh, rcp, ssh, rlogin, traceroute, ping, telnet & ftp. Windows transmit/transfer/network command tools: ipconfig, net, tracert, ping, telnet, ftp. Webtrends for Webstats Administrator (Firewall Stats). DNS/NsLookUp Tool (Java), Veritas Network Fail-Over Cluster (Perl / Shell / SQL), Cache flow reporting (Perl) & IP/port scanner (Java) development tools.

Misc IT/IS: HP-VUE [11.00], Irix [5.3 & 6.2] & Xwindow managers. Motif, multiple GUI's with Vuepad, DTpad, Emacs, JOT and VI editors. Interleaf, AsterX, Mac, Framemaker.

CAD/D Software's (Design):

15,000 hrs. [ProEngineer](#) (R11-Wildfire3 with Pro/PFM, Pro/Intralink & Windchill6-8)

20,000 hrs. [Unigraphics](#) (UGII & I). AutoCAD, Catia, Anvil Express, [SolidWorks](#) & [DesignWave](#) (Design & Beta [CV – Computer Vision]). Cadra knowledgeable.

Hardware: Hewlett Packard (HP), Silicon Graphics (SGI), Apollo, Sun (Sparc), IBM (AIX), DEC, PC (Windows [9X/2K/NT]) Systems & UNIX workstations.

Employment History:

NASA GODDARD - GSFC (Greenbelt, MD) – 02/10 – 04/10 - Contract through SGT / AdvTech
Intralink 3.4 M030 Migration to Windchill / Intralink 9.1 M040. 760 GB ProE Cad Data. Light customization to migrate existing Itralink Release Scheme to new Windchill lifecycle & states.

ITT Aerospace (Ft Wayne, IN) - 05/09 - 08/09 - Contract through Judge Tech
Windchill 8 to 9.1 customization upgrade. BIF usage to capture existing vmware, test server upgrade for production server quick build/install. Upgrade also included IBA softtypes, rbInfo (Resource Bundle) files, site.xconf (to set wt.properties, db.properties & more), html templates (but not used in wc9.1), java, sql, jsp & xml files. xml for webobject tasks & loadFromFile utilities (to import OIR, lifecycle, workflow, site, org & user data). Also upgraded/migrated many object type/attributes & team/role templates. Most java/jsp/xml development leaned towards enterprise change management area, which included preferential reporting, team role mapping & workflow expression robot code. Became very familiar with the new WCA (windchill client architecture) of Windchill 9.1 where jsp/jspf/servlets wizards are heavily used.

Avalon Enterprise (Malmo, Sweden) – 08/08 – 12/08 – Contract through Inter-Consulting
Windchill 7 to 9 upgrade. LDAP export, find/replace, import (to change all user email addresses). Wrote java class/method to Publish all DRW in Life Cycle State of Prototype. Wrote code for Listener to publish PDF's of DRW's as they were changed to Release state. Migration of Intralink 3.4 to Windchill 9.0 M050. Configured customer site for https/ssl (ant, apache, wt.properties, etc).

General Dynamic (Minneapolis, MN) – 05/08 – 08/08 – Contract through CSC
Windchill 8.0 M050 test & dev box install (Windows). Windchill 9.0 M030 & M040 test & dev box install of PDMLink, ProjectLink, ProductView, Fast InStream, etc install & upgrade (service pack). New task accomplished was installing WC8 & WC9 on same box, using the same Oracle 10g database instance (wind) & separating the 2 by different SID (Schemas). Along with same LDAP.

LockHeed Martin (Denver, CO) – 02/08 – 05/08 – Contract
Upgrade is Windchill 5 to 6.2.6 on development side. Along with their home-grown ADM web based cad data manager

Dell Computers (Austin, TX) – 01/08 – 02/08 – Contract through PTC & ProductSpace
JLink & Web.Link development to automate ProEngineer drawing symbol creation. Program auto created & enumerated proe symbols, which were associated to all dimensions on the proe drawing. The program also took info (Dim number & value, tolerance +/- & drw sht location) for all drawing dims & wrote to external xls/txt/doc.

NASA (Stennis Space Center, MS) - 10/07 – 01/08 – Contract through CSC / Saitech
Windchill jsp/xml/java/webjct/ObjectWebjct/html development. VMWare server & player usage for test intralink 3.3 M022 migration to Windchill 8.0. Rational Rose Object Model - light usage for class diagram creation & reverse engineering. Wildfire 3.0 install & training. Developed product structure/architecture standard templates. Created new & customized existing workflows, including java/task expression code. Installed /configured CADAgent (for productview visualization). Configured WVS Scheduling Queue. http://www.datajett.com/windchill/WC_Dev.doc

Enser Corp (Orlando, FL) - 08/07 - 10/07 - Contract
Windchill8/Intralink8 implementer/installer/configurater/developer. Enser needed short term replacement implementer for several east coast clients. Install/configure wc8 & intralink8, along with workflow creation & customization. Full dB life cycle reassign java development. Created supplemental Adobe 3D PDF's from ProE parts/assemblies.

Windchill jsp/java/webjct/ObjectWebjct/html/xml development

Weber Aircraft (Lewisville, TX) 05/07 - 08/07 - Contract
Routed cables through Boeing & Airbus aircraft seats. Used pro/cable for Wildfire3 & stored data/models in Intralink3.4.

FN Manufacturing (Columbia, SC) - 02/07 to 05/07 - Contract
ProEngineer Wildfire3 admin & user support, including Windchill PDMLink & ProjectLink admin & development (JSP [Webjects], Java, XML – Workflow creation, customization & Expression Java). Rename whole windchill database to truncate number extensions (see sample dev page below).

Sample Windchill Development: http://www.datajett.com/windchill/WC_Dev.doc

Lincoln FoodService Products (Ft Wayne, IN) – 04/06 to 11/06 - Contract
Cad Admin, Support, Mentor (ProEngineer Wildfire2) Installed Wildfire3 & training there. Windchill8 install, upgrade, data migration (Intralink3.3 to Windchill8, including Oracle patch & Windchill8 M020 service pack). RSD6 training & install.

Heico Aerospace (Hollywood, FL) – 11/05 to 04/06 – Contract
Cad/Eng./MFG. Systems Administrator/Developer. Upgrade to Wildfire2 & Intralink 3.4. Developed several CMM PCDMIS front-end tools to analyze inspection data & record discrepancies & determine disposition. Java, jdbc to MS Access database. Cad Mentor/Support for Cad users on multiple cad, modeling & analysis systems & applications (ProE, UG, Windchill).

Varian Semiconductor (Gloucester, Ma) – 05/05 to 11/05 - Contract
Pro/Cable, Pro/Diagram & Pro/Harness for Ion Implanter Unit. Some E/M packaging.

DRS Training & Control Systems (Fort Walton Beach, FL) – 01/05 – 05/05 – Contract
Electronic Warfare Instrumented Training Range (EWITR). Radar/Wave Guide Equipment E/M Design, Detail, Packaging. Pro/E Wildfire. Pro2PDF installation/implementation.

Rockwell Collins/Kaiser (San Jose, Ca) – 08/04 – 01/05 – Contract
F/18 HUD (Heads Up Display) Design/Modeling/Documentation (Elect. Prelim. & Eng. Change). UG NX2. Some Grip, Ufunc, DOS & Perl programming/scripting.

Boeing Training Systems (St Louis, Mo) - 02/04 – 07/04 - Contract
AUSS - Ultrasonic scanning equipment design/detail on UG V18. Generated some shared server file transfer programming.

TRW Automotive (Rogersville, Tn) - 04/02 – 11/03 - Contract

Cadd Admin/IT, Application Development (full life-cycle development for engineering application development) & Support. Pro/E 2001 (Wildfire evaluation), ProIntraLink 2.0/3.X Installation, Configuration & Development (Toolkit & JLink). Catia 4, Cadra, Unigraphics V16-V18 (GM Toolkit). ACAD. HP/Workmanager/CoCreate PDM. Niku Timebooking, Oracle Front-end. CoCreate Onespace Collaboration. Track-It & Remedy Help-Desk. Groupwise. ModelCheck Configuration & Installation. Pro/WebAccess. AutoWeb Xfers. Installed & configured Windchill 6.x ProjectLink & PDMLink. Duties included migration of TRW's existing Intralink ECR/ECN (Rev, Ver & Rel) practices to Windchill's PDMLink web based data management tools.

Raytheon Company (Sacramento, Ca) - 01/02 - 04/02 - Contract

E/M Packaging, Cable (Telecommunications, Fiber Optic, Signal & Power) Routing/Generation for Shelter Navigation System- Pro/Cable, Pro/Diagram. ProEngineer (R2000i2 & R2001) & Pro/I 3.0.

PemCo AeroPlex (AL) - 09/01 – 12/01 - Contract

Cadd System Admin, Cadd File/Object Database Perl Scripting Management Tool Development. ProEngineer (R2001) Database & Cadd Session Fetch/Retrieval Automated Scripting.

Intira Corp (MO) - 08/00 – 09/01 - Perm

Perl/Shell/SQL/Java Database Monitoring Development Scripting DBMON which supported the VCS (Veritas Cluster Server) in an Active/Passive Fail-Over Cluster environment on Windows, SunOS, HP-UX for Oracle. Webtrends Firewall/Log Analyzer/Web Stats Reporting Development/Implementation. Checkpoint & Cisco PIX Firewall, Perl & Windows At / Batch Log Zip Development. Networking Performance & Monitoring Perl/Shell/Java Development. HTML & JavaScript Development...RMAN / Veritas Backup Script Development. Most projects followed full life-cycle development practices.

Raytheon Company (IN) – 02/00 – 08/00 - Contract

E/M Packaging - Pro/Cable & Diagram. ProE (R20 & 2000i) & Pro/Intralink Certified.

Dept Of Roads (NE) - 08/99 – 02/00 – Telecommute Contract

Web Development & Programming (following life-cycle development principles), with FrontPage98 / 2000, HTML & JavaScript. Light Flat file & Access Database, Perl, CGI, Light Java & C/C++.

General Dynamics (FL) - 04/99 - 08/99 - Contract

E/M Cable Routing for Tank Boxes/Enclosures - Pro/Cable, Pro/Diagram & Pro/Harness ProEngineer (R19/20) & Pro/Intralink (R1.1). Mech. Component Design/Detail on SolidWorks.

Bosch Automotive Group (SC) - 01/99 - 04/99 - Contract

Automotive Fuel Module Design & Detail & Some HTML/JavaScript. ProE (R20) & Pro/I (R1.1)

Aerotech Service Group (MO) - 10/98-01/99 - Perm

Engineering Liaison & Software Development for Secure (SAPI). HTML & CGI (C & Perl) Electronic Internet data transfers. Including Engineering (Parts, Drawings, Assemblies, Iges & Step) & other secure data transfers. Secure Cad sessions (UG & Catia, on Unix & NT stations).

Lockheed/Martin (FL) - 05/98-10/98 - Contract

ProE, Pro/Cable, Pro/Harness, Pro/Diagram, Pro/Design, Pro/Detail, Pro/PDM, Pro/Intralink, ATE, Unix Shell Script Programming, C, JavaScript & HTML / Web for the ProEngineer Environment (Pro/WebPublish). Created Web Page Cable Calc. Tool: http://www.datajett.com/cbl_calc.html

Rockwell International (TX) - 02/98-05/98 - Contract

IS / IT, Cadd Sys Admin & Support, Unix C & Windows NT for the ProEngineer, SolidWorks & Anvil-Express CADD Environment. Some Visual Basic Applications. Matrix DB.

Boeing / McDonnell Douglas Aerospace (Mo)-10/96-02/98 - Contract

Develop structural modeling/interactive CAD/D Programming (Pro/Develop [ProE] & User Function [UGII] C Programming Language) for Analysis (PATRAN & Pro/Mechanica) usage.

Mark Andy (Mo)- 6/96-10/96 - Contract

Unix Shell Script Programming for the Configuration of the ProEngineer Design Environment of the printing press Electronic Dept.

Teledyne Ryan Aeronautical (CA) - 1/96-6/96 - Contract

Unix Shell Script & Trail File (ProE & Pro/PDM) Programming for the ProEngineer Design Environment of their Unmanned Air Vehicle Project.

Lockheed/Martin (FL) - 6/95-12/95 - Contract

Unix Shell Script Prog. for environment configuration & ProEngineer Laser/Optic Gimble Design.

Tetra Rex (IL) - 11/94-6/95 - Contract

Cadd Sys. Admin (UGII to ProE), UGII Grip / UserFunction & UNIX Shell Script Programming. Conversion from UG to ProE & Cad Support. Partial Life Cycle requirements.

Dynapower/Stratopower (SC) - 8/94-11/94 - Contract

Power fluid systems (motors and hydraulic pumps, valves, etc) (ProE).

Sunstrand Aerospace (IL) - 2/94-8/94 – Contract

EM Pack. of power generating elect. boxes (sheet metal) & castings/machinings per Arinc specs for the F22 (ATF) Gulfstream commercial aircraft. (ProE & UGII).

General Electric (Power Gen. & Comp. Serv) (NY) - 3/93-2/94 - Contract

CAD/D Specialist / Support (help desk, instructor, Motif / GUI / Grip / Userfunction programmer) (UGII V9 & 10). Projects followed full life-cycle development practices.

Motorola Inc. (FL) - 92-93 - Contract

Telecommunications Paging Systems Designer / Drafter (plastic injection molded dies) (UGII/CV/ProE). Some Unix Shell Script Programming for automatic file db & session retrieval.

Boeing Industries (WA) – 92 – Contract - Structures Detailer (CATIA - 500+ Hours).

Pratt & Whitney, Inc. (FL) – 92 - Contract

NASP (National Aero-Space Plane) & Exhaust System CAD Des/Draft (UGII). Unix Shell Scripting.

SSC/DOE (Superconducting Super Collider/Dept. of Energy) (TX) - 92 - Contract

Particle Beam Magnet Div. Senior CAD Des/Draft (UGII).

Unison Industries (FL) - 91 - Contract - Aircraft Ignition System CAD Des/Draft (UGII).

McDonnell Douglas Electronic Systems Co (MO) - 84-91 - Perm

Electro/Mech Laser/Optic Packaging CAD/D Engineer (Assoc.) (UGII / ACAD / Board). Listed in MDC Electric Systems Co. (MO) Design Manual as UGII CAD/D technical specialist.

Positions listed below (1979-1984) were as a Designer/ Drafter. Instructor/Admin. requirements.

Sherwood Medical Supplies (MO), Sunnen Honing Products (MO),

Coin Acceptors, Inc. (MO), Anheiser Busch, Inc. (MO)

Samples of Engineering/Administration/Web Development Work:

Sample Windchill Development: http://www.datajett.com/windchill/WC_Dev.doc

Samples of development, programming on my site: http://www.datajett.com/Resume/Prog_Links.doc

Education: Degree: Engineering - Mechanical (1 year Certificate).

Degree: Computer Aided Design/Drafting (1 year Certificate).

Graduated May 1990 with Academic Honors from St. Louis Community College.

Most equate to an Associates Degree in Eng. Science (Mechanical, Elect. or Computer Science) .

Junior College Dean's List and Honor Society (Phi Theta Kappa). Accum. GPA of 3.612/4.000.

Currently study PTC tools through a PTC University web-based training subscription:

(ProEngineer & Windchill – ProjectLink & PDMLink). With desires towards PTC Windchill

certification: <http://www.datajett.com/Resume/Transcript.pdf>

References: Available upon request.