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Summary

Highly skilled developer, leading projects and creating new development resources, constantly expanding and improving upon a broad base of Java, C, C++, Linux skills, and more recently developing with Cloud services and Docker. Proven technical leadership in all areas of application development including networking, io, streams, code enhancements and markup languages.

Cloud: 6 years Java: 15 years Linux/Unix: 17 years SaaS: 5 years C: 10 years C++: 8 years

Specific Technical Skills

Java APIs and tools:

Spring, Tomcat, Commons, Struts, PrimeFaces, Ant, Maven, Gradle, Taglibs, XML/XSLT, Xpath

Cloud development:

Docker 18.09.2-ce Liferay's WeDeploy

Javascript development

Node, gulp, yarn, JQuery and env.js Various Google javascript APIs such as Google translate and maps

Application servers:

Jboss, Websphere, Glassfish, Payara

Debuggers and development Environments:

gdb, dbx, gbx,

Eclipse, IntelliJ IDEA, Netbeans

Web Servers:

Nginx, Apache, and Tomcat

C/C++ Compilers/Scripts/Shells:

GNU gcc (all Unix and NT) Perl 5.x, Python 2.x, zsh, bash, ksh, tcsh, awk, sed

Build tools

Ant, Gradle, Babel, Make, Rake

Operating Systems, distros, and runlevel experiences:

Linux, RedHat, CentOS RHEL, Fedora, Ubuntu, Debian sid

Statistical applications and methods:

SAS and JMP scripting
R (CRAN) versions 1 thru to 3.5.2
Splus 3.5 through to 6 (worked with John
Chambers and his team at Bell Labs)

Testing environments:

Mercury Interactive's Load Runner with controller experience Selenium, Firebug

Professional Experience

December 2019 - Present - Code Engine Studio

Technical Director, Java team and Liferay team

Environment: Azure, Google, AWS, Product troubleshooting, Terraform, Continuous Development

- spearheaded the **design** for a new system for a large customer's Liferay deployment to the Azure cloud
- drew up and provided new design documents for optimum usage of Azure platform
- Helping a client company upgrade from **AWS** Liferay 6.2 to Liferay DXP cloud 7.3
- Setting company expectations for career development by establishing career pathing
- Helping developers learn about new tools used and developed for Liferay products.
- Organizing and negotiating the formation of a partnership with Liferay, Inc to handle their asia pacific time zone help desk ticket resolution.
- Direct experience conducting builds and deploys for several clients for newer versions of their software.
- interviewing many new candidates for development positions (interviewed over 40 folks ... picked a few which became direct reports.
- mentoring developers on Liferay and Software as a Service (SaaS)
- leading checkin meetings and handling escalation for ticket resolution

January 2013 - 2019 Liferay, Inc.

Senior Software Engineer, Faces & JCP

Environment: Java EE standards, Java Server Faces, cloud infrastructure DXP

Implemented our product's update and upgrade process for developers. Pushed for a more devops style of development. Improved the dev tools team release and integration process with docker and WeDeploy.

Helped developed a new industry standard framework for Portals, specifically the Portlet 3.0 Bridge for

Java Server Faces 2.2 (JSR 378)

Portlet 3.0 (JSR 362)

Servlet 4.0 (JSR 369)

JSF 2.3+ (JSR 372).

Contributed to the development of Java Server Faces (mojarra) and gained commit rights with Oracle. Also contributed portlet specific fixes to Primefaces and Icefaces. Liferay customers use our implementation of JSR-378 called the Liferay Faces Bridge.

Developed the archetype portlet used by Liferay customers at liferayfaces.org.

Was the first person to get the Portlet 3.0 technology compatibility kit running against Liferay 7

- Also helped to develop the Liferay Faces Showcase(s) hosted there.
- Voting Member of the JSR 378 Expert Group

- Mentored junior engineers regarding a variety of aspects of software development and productivity with the UNIX command line
- Authored a variety of Selenium-based tests in order to improve software quality
- Participated in the full software development lifecycle, including extensive testing on a variety of application servers prior to releasing production-quality software
- Supported customers and open source community members by solving reported issues and regularly answering questions posted in the forums
- Contributed to a variety of open source projects hosted at GitHub including Liferay Portal, Liferay Faces, JSF Mojarra, PrimeFaces, ICEfaces, and Apache Pluto

February 2004 - Dec 2012 Walt Disney World, Orlando, FL Senior Developer at Large

Environment: JEE JBoss 3.x through 5, Java EE standards, JSF, Flash, Ajax

Redesigned APIs and implemented a mobile web application used by Walt Disney Parks and Resorts Area Managers to view and update wait times on their BlackBerries and also shutdown attractions, including Space Mountain, Tower of Terror, and all other rides at Disney parks worldwide, including Disneyland Hong Kong, DIsneyland Paris, etc ... This system now also allows Verizon to present these wait times to their customers. Access to the APIs for this software was sold to Verizon for millions of dollars.

Developed a set of proof of concept Portlets using JSF2 and the PrimeFaces Showcase. Corresponded with Cagatay Civici during this development process.

Oversaw the scope, development, troubleshooting and on-time production delivery of several releases of both major and minor enhancements to Disney's labor request systems which has a user base of over 60,000 users with over 10,000 requests submitted per week for processing. With extensive use of AJAX and Javascript.

Developed a high scale surveying system in Java using WSRP (Web services for remote portlets) JSR-168 compliant to host several portlets on a Vignette Application Portal (Now OpenText) for Disney. The software could process over 1000 surveys per hour, and wrote test scripts and oversaw extensive load testing using Mercury's Load Runner using both their Virtual User Generator and their controller. This was the first successful attempt at replacing a snail mail system used to send over 90,000 paper surveys each year used to evaluate the performance of all of the employees at Walt Disney World. We do not do paper surveys anymore.

Administered several of our Portal web sites ... Walt Disney World, ESPN, Disneyland Resort, ABC Studios, Walt Disney Imagineering, Walt Disney World B2B, etc ...

Oversaw the conversion of several legacy JSP applications to Web services using WSRP and SOAP, deploying the applications to LAMP boxes in a SOA environment.

July 2003 – January 2004 Syniverse (Formerly Verizon), Tampa, FL Java Consultant

Environment: J2EE Web Sphere, Java Servlets, JSP, MVC, Struts, SQL

Developing an application controller and UI to manage agreements between cell phone carriers with parallel development using XML, JSPs under both iPlanet and Apache Tomcat against an Oracle 9i back-end.

Wrote several Oracle stored procedures to improve performance.

Implemented several new functions for user identification and authentication in the controllers for various products using newer Java APIs and standard J2SE.

Developed a grid in a user interface with improved performance using JSP Servlet session objects instead of a grid created using JavaScript, which our product inherited.

Wrote deploy scripts for system test and production using Unix/bin/sh scripting in a Solaris environment, SunOS 5.8 Ultra-4

March 2002 - July 2003 Agere Systems, Orlando FL

Technical Staff Member

Environment: Java Servlet, JSP, MVC, Struts, SQL

Team member on a POSITRACK streamlining project, designing and implementing a report server on a Solaris platform, using the ACE Oracle 8i database Apache Tomcat, Jakarta's Struts, JSPs, JDBC based. It exactly duplicates the functionality of an aging, highly normalized, PIX based reporting product, but in an on-demand basis.

Created a product development tool for computer chip packaging, using C, Tomcat, Struts, and JSP. This tool tracked which products needed testing first in a highly motivated prototype environment that would involve "good" product getting to the customer as quickly as possible, and/or critical.

Developed a simple Java Server Page that performs similarly to sdiff in Unix to help engineers with test structure organization and management when they decide which test structures to include on new reticles for technology development.

Optimized several Oracle 8i queries written by our vendors.

April 1999 – March 2002 Bell Laboratories formerly AT&T Bell Labs

Senior Developer

Automated statistical calculations in C, and developed architecture for doing calculations in Java, used for business calculations in Singapore, Spain, Pennsylvania, and Florida.

Purchased hardware, developed from scratch, and administered web services for analysis of standard and contracted evaluation circuits in use by several leading semiconductor manufacturers and foundries such as Chartered Semiconductor, Taiwan Semiconductor Manufacturing Co., and Silicon Manufacturing Partners in Singapore.

Created postscript and pdf generators from open source tools to skirt the costs of purchasing licenses to third party software for custom web graphing requirements of customers.

On-site installation of data mining software architected in for Yield enhancement and Failure Analysis teams in Madrid Spain. This is the software I previously developed, and is described below - Sep. 1996

Completely revamped over 300,000 lines of legacy yield enhancement software written in C and S reducing it to less than 5000 lines of C, Perl, and R.

Extended the bitmap analysis toolkit using C in a Solaris environment with design independent descrambling algorithms for world-wide Lucent Technologies' manufacturing tools.

Configured a legacy tool for defect density calculations written in C to be used as a platform independent group of shared objects usable in S and R. (April 23, 1999)

Extended bitmap analysis software in C to use an easily configurable prioritized list of destructive and non-destructive electrical failure modes.

Developed server-side bitmap analysis toolkit in C for Bell Laboratories in a Solaris development environment.

September 1996 – April 1999, Lucent Technologies, Orlando, FL

Senior Technical Associate (Yield Optimization team's lead developer)

Automated the web reporting of "products on hold" in manufacturing processes, using various instances of our Sybase DBs using C and Apache on a Solaris platform to improve manufacturing cycle time.

Implemented a statistical testing routine using numerical recipes in C for calculating the Kruskal-Wallis p-value on-demand for any given set of data.

Developed an algorithm in C and later in Perl to identify false defects and decrease cycle-time of KLA and Tencor optical defect data capture tools.

Made innovative improvements to automated statistical analysis software originally written in C, Perl, S, and later in Java using classic data mining techniques to find causes of profit loss due to manufacturing, maintenance, and technology interactions. This resulted in an instance of direct savings of \$1.5MM to Lucent Technologies.

Assisted in the development of Oracle Pro*C queries to report product manufacturing history information for yield improvement and profit maximization.

Wrote a Visual Basic application and the corresponding Oracle Pro*C used to collect, analyze, and load radio frequency test data into remote databases.

Developed and customized a Perl/CGI application called PARETO which tracks the highest volume products being manufactured and their manufacturing issues in each of Lucent's manufacturing plants around the world.

Wrote Oracle PL/SQL queries to extract information from a highly normalized database of testing and manufacturing history information.

June 1996 – September 1996, AT&T Division of Microelectronics, Orlando, FL Senior Technical Associate (Yield Optimization Team--Developer)

Discovered the primary source of a killer defect in our 0.25um technology. The defect source was residual photo resist left on wafers after development.

In a SunOS environment using "cron", C, and S -- automated the statistical analysis of key responses known to directly affect profit from manufacturing.

Developed a set of software tools in Bash, PL/SQL, Pro*C, and S, that used a statistical Kruskal-Wallis analysis of responses measured or tested in manufacturing, versus known history of the process of manufacturing, to increase knowledge of the root-causes of defects and increase profits at the fabrication plant.

In a SAS development environment, executed root-cause analyses with designed experiments and statistical process control.

Education

1995 - University of Florida's - College of Engineering (Material Science) BS - Electronic Properties of Materials

1989 – Nuclear Reactor Operator qualification at Argon National Laboratories.

1988 – Electronics Technician training completed at the Orlando Naval Training Center Specialized in trouble-shooting radar units