

TECHNOLOGIES

Technologies: Spring, Spring Boot and Cloud, JPA, Micro-Services, Docker, Junit, J2EE, JDBC, Servlet, JSSE, JMS, MQ, Hazelcast, Coherence, Zipkin, Eureka, Kafka, XML, Java Server Faces (JSF), and Spring MVC.

Languages: Java, Groovy, C, Objective C, Swift, JavaScript, and UNIX shell programming

O/S: Linux, Windows, MacOS, UNIX, SunOS, Solaris, IRIX, AIX, and HP / UX.

Databases: Oracle, H2, MySQL, and SQL.

Development Tools: Eclipse, Jenkins, Jira, BitBucket, Confluence, Ant, Maven, Git, CVS, SVN, Bugzilla, GitHub, and XCode.

Web / Application Servers: Apache Web Server, Apache Tomcat, Jetty, and WebLogic.

EXPERIENCE**JP Morgan Chase****Tampa, FL****1/2016 - Present**

VP - Application Development Lead - Equipment Management Services - 12/2017-Present

- Technologies: Cloud technologies, Spring Boot, Spring Cloud, Java 9, JUnit, Oracle, SQL, JPA, Linux, UNIX, Windows 7, Git, Jira, BitBucket, Confluence, Hazelcast, Jenkins, and UNIX Shell programming
- Served as Design Authority and Development Lead for a new micro-service based middleware in support for Point of Sales Terminals.
- Equipment Management Services (EMS) is a set of services designed to consolidate all purchasing, billing, troubleshooting and configuration for legacy and new next generation terminals. Prior to EMS, within the company there were several areas handling these tasks, leading to duplication of effort, and inconsistencies in procedures. There was a reliance on third-party companies for inventory management.
- With EMS in place, Chase now has a single System of record for all areas in the terminal realm. This has led to huge elimination of waste in other teams, and an Equipment Inventory Database.
- EMS has 3 upstream company teams that consume its services, and two downstream third-party companies that are used for fulfillment of terminal-related orders.
- Coordinated all intra-team communications, planning, test schedules, and releases.
- In charge of hiring the staff, training and mentoring them, as well as Sprint prioritization.
- Developed the entire overall design of EMS, as well as the external API contracts that are exposed.
- Worked with the Release Management team to develop a CI/CD workflow for our application using a Chase enhanced version of Jenkins. Our application was the first in Merchant Services to deploy a Spring Boot based micro-service application suite. The work done for EMS is now being used by other teams that are preparing new products for production.
- The code base of EMS currently has an overall code coverage of 96%.

VP - Application Development Lead - Single Sign On 1/2016-12/2017

Contractor with Modis 1/2016-6/1016

- Technologies: Spring, Java 8, JUnit, Oracle, SQL, Linux, UNIX, Windows 7, Git, and UNIX Shell programming
- Served as the Manager Delegate for the Merchant Service's Single Sign On (SSO) application. The Manager had 5 different products, and I served as manager for this application, in order for him to spend his time focused on the other products.
- SSO is an old legacy application, based on licensed RSA technology.
- All applications within the company that deal with merchant credit card transitions sit behind SSO. Transactions through SSO exceed 20 billion per day. Financial revenue resulting from those transactions exceed 1 trillion dollars per year.
- SSO is the single point in Merchant Services that handles all authentication and authorization.
- Managed all risks, reports, financial planning, Sprint planning, as well as managing and mentoring the staff.
- Brought the application from 5% code coverage up to 75%, and trained the team on proper unit testing.
- In the year prior to my hire, this product had over a dozen service outages. There were no outages of the product during my time with the product.
- When I arrived, there were over 30 security breaks on record, most of them months past their expected resolution date. When I left the team, there were no security breaks for the product.
- Prior to my hire, this team had a bad record of failed deployments. There were no deployment issues during my time with the product.

Verizon**Tampa, FL****8/2008 - 12/2015**

Senior Java Software Architect, 2011-Present

- Technologies: J2EE technologies (JUnit, JDBC, XSLT, JSF), Oracle, MySQL, SQL, Linux, UNIX, Windows 7, HP/UX, Objective C, Swift, XCode, Corba, JSF, SOA, Git, VMWare, OBIEE, and UNIX Shell programming
- Served as Lead Architect on a task to rewrite the existing Surveillance application platform to more modern technologies. Test Driven Design (using JUnit), and (while quite large) had 97% code coverage testing. This process was run using an Agile development process, rather than Verizon's normal Waterfall process. The project got dropped, unfortunately, with a change in management.
- Served as the team's SME on security, on both the application level as well as from a System Administration level. Placed the team's applications behind the company's proprietary Intranet Single Sign On framework.
- Installed and administered CVS and Git servers for the team.
- Designed an automated test system for the entire application, primarily with JUnit. Prior to this, only simple unit tests had been performed.
- Developed a complete new application infrastructure for the applications, which was more supportable, and expandable, to increase the companies RIO. The platform contains a custom implementation of SOA, IoC, and optimized for scalability.
- Rewrote the communications hub application (developed when consulting at Syslogic) to use the new applications framework, making it more supportable, and increasing the performance 25%.

- Upgrade the existing applications to migrate from Java 5 to Java 8. While this kind of a task is normally a simple process, the original code has a heavy usage / dependency on undocumented (and now long deprecated) methods and classes. These required finding / developing replacements with the same functionality.
- Developed integration from the communications hub application into the OBIEE analysis system, to track trends in communications volume, and provide dashboards that could proactively indicate possible issues.
- Worked highly with VMWare, managing 50+ Virtual Machines, used for testing environments.
- Wrote several prototypes and proprietary applications for mobile iOS devices, in both Objective C and Swift.

Java Software Engineer, Contractor with Syslogic Technical, 2008-2011

- INMS Project, a largescale client server application. Involved in developing extensions to existing telecom equipment inventory and alarm system. This involved specialized batch programs, and various XML to XML translations using XSLT.
- Technologies: J2EE technologies (JDBC, XSLT, JSF), Oracle, SQL, PL/SQL, UNIX, Windows NT / 2000 / XP, HP/UX, Corba, Perl, AWK, and UNIX Shell programming Wrote a configurable validation engine for incoming XML data.
- Worked on replicating data feeds via Corba.
- Served as Lead Architect on a project to develop a communications hub application to handle all incoming / outgoing communications for the main application. This involved overseeing the work of several others to complete the project on schedule. This included server-side communications code and a J2EE JSF Web Application.
- Took a very old and unsupportable build / deploy system, cleaned it up, enhanced it, and made it easily supportable.
- Served as Lead Architect for a project to converge the main application with another application.
- Served in all levels of the application development of INMS, from requirements to deployment, both work within the IT department and in cross departmental work. While getting assignments from my manager, I was permitted to define the objectives and goals needed to produce the desired results.
- Involved in determining hardware, software, and network requirements for the application.
- Mentored junior level peers in areas of program development, proper development principles, theories, analysis, and technologies.

Home Shopping Network**St. Petersburg, FL****2/2006 - 8/2008****Software Engineer III**

- Developed several Data Warehouse solutions in Java and PL/SQL.
- Technologies: J2EE technologies (JDBC, Hibernate, JSP), Oracle, SQL, PL/SQL, UNIX, Windows NT / 2000 / XP, Sun Solaris

Verizon Data Services**Tampa, FL****2/2004 - 2/2006****Sr. Lead Software Engineer, Contractor with Infinite Computer Solutions, 1/2006-2/2006**

- Served as Release Manager for the product.
- Technologies: J2EE technologies (JDBC, Hibernate), Informix, SQL, UNIX, Windows NT / 2000 / XP, Linux, Sun Solaris

Technical Lead, Contractor with Global Consultants, Inc, 2/2004-1/2006

- Provided leadership in moving some development efforts from proprietary web techniques to Java Server Faces (JSF), using Sun Java Studio Creator.
- Wrote initial customized JSF components used by several development groups.
- Provided leadership in moving from a proprietary database abstraction layer to using the Hibernate environment.
- Wrote a custom JSP Taglib as a wrapper around the existing Velocity macros as a first step in migration away from using Velocity.
- Provided leadership in moving some development efforts to Jakarta Struts.
- Developed and maintained a web framework used by multiple departments.
- Installed and maintained a departmental web portal for training and communication purposes.
- Technologies: J2EE technologies (JSP, Servlets, JDBC, Struts, Hibernate, JSF, Velocity), C, C++, JavaScript, HTML, XML, CSS, AJAX, Informix, SQL, UNIX, Windows NT / 2000 / XP, Linux, Sun Solaris

Self Employed**Tampa, FL****11/2003 – 2/2004****Consultant**

- Consulted with previous employers, making modifications on applications that had been previously developed.
- Provided augmentation to small companies' web presence, adding needed functionality.
- Added a Web Portal to a client's intranet site.
- Contributed to several Open Source development projects.
- Utilized some of the Internet self-training sites, to improve skills, and add new technologies.
- Technologies: J2EE technologies (EJB, JSP, Servlets, JavaMail, JNDI, JDBC, JSF), Struts, XDoclet, Portlets, transactional processing, C, C++, JavaScript, HTML, HTTP, XML, CSS, Oracle, SQL, POSIX Threads, TCP / IP (Sockets), FrontPage, Linux, Sun Solaris, Sun OS, Windows NT / 2000 / XP, InstallShield

Catalina Marketing Corp.**St. Petersburg, FL****1/2002 – 11/2003****Senior Programmer Analyst**

- Originally hired within the Health Resource Publishing division, in the R&D group of the IT department.
- Worked on rewriting the existing application suite, taking it from a Visual Basic framework to ANSI C. The existing application ran exclusively on Windows NT / 2000 servers, and the new version ran also on several variants of UNIX. The application suite is used in pharmacies to produce labels, health tips, and coupons targeted specifically for the customer's unique needs on a transaction basis in real-time.
- The application suite (in C) was multithreaded, and contained its own configuration server, implementing the TCP / IP (Sockets) HTTP protocol. This server was used for both configuration and control of the application suite.
- Was transferred into the parent company's R&D Department, and tasked with writing a new, similar application suite, intended for the travel industry. During the pilot phase of the project the company's focus was changed, and all new projects were indefinitely suspended.

- Technologies: C, C++, JavaScript, HTML, HTTP, XML, CSS, Access, SQL, POSIX Threads, TCP / IP (Sockets), Visual C / C++, Visual Basic, COM, DAO, DOA, GNU C / C++, FrontPage, Linux, SCO, AIX, MS Windows, Windows NT / 2000 / XP, InstallShield Universal, transactional processing

Uniroyal Optoelectronics, Inc.**Tampa, FL****2/2001 - 1/2002*****Business Process Engineer***

- This position was an internal software development position.
- Developed a framework and infrastructure for a multi-company intranet / extranet.
- Developed an extensive JSP custom Tag Library for use in application development within the company.
- Installed and maintained a multi-company web presence on the Intranet for customer support. The server used was Linux, with Apache and Apache Tomcat providing the web services, and Oracle providing the database.
- Installed and maintained a version control system for use in development and support. The software used was CVS on the server, and PCCVS for client access.
- Customize the Oracle JDeveloper IDE environment; making the built-in Wizards produce JSP pages with a specific look and feel used by the company.
- Developed and extended several internal development projects, from determining the scope of the effort, documenting the design, developing the solution, and deploying the solutions. Most of these solutions were to automate the daily transaction processing, and populate that data within an Oracle database.
- Mentored several other employees in Java Programming, JavaScript Programming, CSS usage, and HTML development.
- Supported internal users and developers, providing custom solutions (as needed), developed to be reusable components.
- Technologies: Java, JavaScript, HTML, XML, CSS, Oracle, PL / SQL, MySQL, J2EE technologies (JDBC, JSP, Servlets, JavaMail), TCP / IP (Sockets), JDeveloper, GNU C / C++, FrontPage, Apache, Apache Tomcat, Oracle Application Server, CVS, Linux, Windows NT / 2000 / XP, UNIX Shell programming, transactional processing

Ariba, Inc.**Tampa, FL****7/1999 – 2/2001*****Senior Systems Architect***

- Originally employed by Tradex Technologies in August 1999. Ariba acquired Tradex in early 2000 for \$2B+.
- The original Tradex product (Ariba Marketplace) is a pure Java application, using J2EE, JNDI, JDBC, EJB, RMI, and HTTP tunneling of TCP / IP (Sockets) data in a client / server environment. Originally an applet, it now is primarily a JSP / Servlet application.
- Also worked in enhancing the other products in the Ariba product line, including Dynamic Trade and Ariba Buyer. This included custom TCP / IP (Sockets) networking code in the integration.
- Involved in modification of product to utilized Sybase.
- Served as Project Lead on several special purpose, inhouse projects.
- Developed several extensions and modifications to the core product to customize for specific customer needs.
- Used expertise in TCP / IP (Sockets), HTTP and browser technologies to make difficult modifications to the runtime environment of the application.
- Developed several reusable extensions, with complete methodology for reproducing such modular enhancements.
- Designed a departmental web server to provide the modular enhancements in a convenient fashion.
- Served as Architect and team lead for several key enhancements with Ariba Partner's i2 and IBM.
- Served on development group defining the cXML B2B XML messaging standard.
- Designed, specified, and developed complete libraries, to standardize the enhancement procedures used in the product line.
- Served as a resource for other programmers on the staff, in areas of program development, integration, and debugging.
- Technologies: Java, JavaScript, HTML, Perl, UNIX shell programming, Windows NT / 2000 / XP, XML, CSS, Oracle, Sybase, SQL, TCP / IP (Sockets), FrontPage, J2EE technologies (JNDI, JDBC, EJB, JMS, JavaMail), Ant, JNI, RMI, Tivoli, WebLogic, InstallShield Universal, transactional processing

NOTE: Details of previous work experience can be supplied upon request