

Jason Winnebeck

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Summary

Software Architect and engineer with over 17 years experience in modern, robust programming techniques on the Java platform, with projects deployed in commercial and government products.

Education

[Rochester Institute of Technology](#) **Rochester, NY**

MS, Computer Science 2010; GPA 4.00 / 4

- Study cluster: Distributed systems; Project: Embedded databases ([RealDB](#))

BS, Computer Science 2003; GPA 3.85 / 4

Skills

Java: [IntelliJ IDEA](#), [Groovy](#). JDBC, Hibernate, Spring Boot 2, Spring MVC, JAX-RS, JAX-WS

Tools: Oracle RDBMS, Redis and Lua, MongoDB, SQL Server and MySQL. Mercurial, GIT, Azure DevOps, JIRA, Fisheye/Crucible, Confluence, SVN.

Web: HTML5, CSS, Web services (REST/JSON and SOAP), JavaScript ES5/ES6, AngularJS, React. OpenID Connect and OAuth 2.

Linux: Docker, Rancher/Kubernetes, Ubuntu/Debian and deb packaging development/deployment, "Embedded"/custom Linux with BusyBox

Other: SAE standards J1587, J1708, J1939, J1979, CAN. C/C++ (STL, Boost)

Experience

[Windstream](#) **Rochester, NY**

Via: [Nespon IT Services](#) Contract - Software Engineer; 4/2020 to present

Via: [Wellington Steele and Associates](#) Contract - Sr Java Developer, 8/2013 to 4/2020

Currently in role of Lead Developer and Architect for enterprise sales quoting applications team.

Development of code and team best practices for supporting microservices:

- Research, prototype, and implementation of migration of REST (Spring MVC) microservices from custom embedded Tomcat to Spring Boot 2 architecture. Developed Gradle plugin to share common configuration implementing CI in Windstream's specific environment. The services support the quoting applications and utilize Redis, Mongo, and Oracle databases.
- Leading team's migration from microservices on VMs to Docker images on Kubernetes (Rancher) deployed via Azure DevOps pipelines. Built and documented template containing technologies relevant to the team.
- Set up and maintain Jenkins continuous integration server on Linux and Sonatype Nexus 3 for proxying and publishing npm, NuGet, Docker and Maven artifacts. Assisted management of TeamCity CI jobs.
- Leading team's migration of Mercurial/Atlassian/TeamCity/Jenkins toolset to new Windstream-wide standard on git and Azure DevOps. Built scripts to convert Mercurial to git and template projects and Azure pipelines. The Nexus 3 server I set up was migrated to the organization-wide architecture team as it was adopted in the microservices and Azure DevOps infrastructure.

Main quoting application used by direct sales:

- Primary team contact for architectural design and integrations with other applications. Assist business stakeholders in requirements design for our application to ensure a cost-effective solution that meets business needs.
- Rewrite JSF-based UI of the company's primary internal sales quoting application to use HTML5+AngularJS frontend with JSON backend implemented in JAX-RS+Groovy on Weblogic. The new backend also allowed replacing Selenium-based integration testing with direct API testing, reducing automated testing times from hours to minutes.
- Part of a team to integrate the application with Salesforce, converting some existing code utilizing Oracle PL/SQL to SOAP/SOQL queries
- Plan, architect, and implementation of a Groovy rules framework to replace proprietary usage of IBM JRules system. Manage and implement the actual migration with a few other developers.
- Performance optimization project involving Oracle table and index design, Guava and Redis caching. For Redis I was involved with technology selection/justification, configuration and deployment scripts on Linux.
- Team lead for project working with IT infrastructure to move main application and all supporting microservices to a different data center at a different domain. Included assisting RHEL OS upgrade and Oracle RDBMS upgrade including writing and testing initial datapump script.

Simplified portal for external (indirect) sales:

- Selected technologies, design and build backend and frontend for a sales quoting application used by external sales users and API for quoting aggregators
- Backend provided SOAP (JAX-WS) and REST (JAX-RS) web services using Jetty and CXF, implemented in Groovy

- Frontend written in JavaScript, using AngularJS and Bootstrap with Grunt, Bower, and npm
- Configure services and Apache on Linux development and production servers

Rochester Institute of Technology **Rochester, NY**

Senior Staff Engineer 11/2011 to 08/2013

Staff Engineer 12/2003 to 10/2011

- Lead software design and development process for multiple projects primarily under Office of Naval Research funding:
 - Generic Java framework for a modular vehicle diagnostics and telematics system. Used Java 1.3-1.7, JDBC, SQL, XML, and networking technologies to develop the project. [US patent 8175848](#) granted for this project.
 - Java Swing-based maintainer's interface, and data synchronization software
 - Android version to collect and store data from light vehicles (OBD-II)
 - Projects have been deployed in US Marine Corps, commercial applications, and a spin-off company, [Vnomics](#)
- Work with team to introduce and facilitate Agile programming ([Scrum](#), [Continuous Integration](#))
- Work with MySQL databases on Linux and SQL Server databases (100s GB+ size) in Windows.
- Developed and implemented team workflow and release management processes.
- Interview, hire and manage student co-ops (paid internships).
- Evaluated, configured and maintained development services (SVN, [Trac](#), Apache, [ScrumWorks](#), TeamCity, and MySQL) on a Linux Ubuntu server.

Software Co-op 5/2002 to 11/2002 + 5/2003 - 8/2003

- Started design and coding for vehicle monitoring application and maintainer's interface, described above.

[Williams](#) **Tulsa, OK**

Web Application Developer Co-op 5/2001 to 8/2001 + 11/2001 to 2/2002

- Used JSP, JDBC, Oracle, JavaScript, CSS, and HTML to create intranet web applications
- Worked in a project to redesign the [Tulsa Historical Society](#) website (since redesigned)

Patents

[Data Processing Systems and Methods](#), 8175848

Honors and Activities

Eagle Scout, Cub Scout den leader, volleyball, technical reviewer for [Groovy for Domain-Specific Languages](#)