**JOHN MILLER**

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**SR. SOFTWARE ENGINEER**

**SUMMARY**

A self-motivated and experienced Development/DevOps/Automation/Quality Engineer with a varied development software engineering background. Extensive knowledge of the full software development and test life cycle processes. Strong ability to lead teams in the agile development process and creation of development requirements, proof of concept, design, testing, and maintenance. Strong ability to reduce development and testing time using the CM/CI/CD processes.

**TECHNICAL SKILLS**

Languages: Java, Perl, PHP, BASH

Databases: Oracle, MySql, MS Access, PostgreSQL

Technologies: Springboot, Jetty Servlets, JDBC, JAX-RPC

Web Technologies: HTML, Web Services (Jetty, Weblogic, Apache Tomcat, Apache HTTP), Javascript, PHP

Software: Eclipse, Jenkins, Artifactory, ANT, Perforce, P4V, CVS, Subversion, Maven, Jira

Interfaces: WSDL, WAP, SMS, CDMA, UMTS, LDAP, SMTP, and others.

Systems: Windows (Vista, XP, 2000), Linux (Red Hat, ubuntu), UNIX (Solaris), DOS

**TECHNICAL EXPERIENCE**

**Oracle/StorageTek**  Dec 2010 to Present

**Principle Software Engineer**

* Collaborated as lead member in a fast-paced Agile (Scrum) team, to create, develop and implement applications in a Linux environment, using Bash, Java, and Jenkins, using agile methodologies.
* Good understanding of industry standard software languages such as HTML, Java, C, and Bash
* Experience with software tools for requirements tracking, code reviews, static analysis, library and artifact repository, and automated builds.
* Estimated levels of effort (LOEs) across all functionality for analysis, design, development, and testing.
* Knowledge of software development methodologies such as Agile/Scrum, Waterfall, and Spiral.
* Proficient with data structures
* Was the lead in problem solving complex network, hard-drive, and application issues.
* Experience working in multi-disciplinary teams.
* Generated manuals, system user guides, test matrices, and other required documents
* General knowledge of engineering principles and practices.
* Created Oracle Cloud OCI development machines as we transitioned from Hardware into the cloud.
* Helpful, can-do attitude and a willingness to take ownership of problems, I just become the go to guy.

**Sr DevOps Software Engineer**

* Saved the company thousands of dollars in development time by Architecting, Developing, Implementing, and Maintaining a full DevOps continuous integration system using Jenkins, Maven, Ant, and Artifactory, in various Linux, and Debian environments.
* Worked with leadership, development, and test teams (internal stakeholders) to solve problems in a complex environment that allowed the team to build, deploy and test our application overnight using the CI/CD pipelines.
* Actively participated in design and code reviews to support and provided focus on our deployment and development strategy.
* Improved our developed version control system using best practices using subversion, including branching tagging and merging strategies, saving development time and money.
* Working on maintaining systems administration, application installations and long-term support.
* Documented processes so that other team members could learn faster, decreasing development costs, and increasing time to market.
* Used scripting to extend Jenkins jobs to deploy web applications onto WebLogic web servers.
* Created DevOps relationships across different operating units to share knowledge and solutions.
* Started learning new technologies Kubernetes, Docker, GoLang, Git and Gradle to integrate into our CI/CD system.

**Sr Software Engineer in QA**

* Generated manual and automated use cases using Java, Selenium, Bash, and Python scripting, this saved the team in test time and code turn around.
* Estimated levels of effort (LOEs) for analysis, design, development, and testing.
* Assisted with environment setup (installers, OS, 3rd party application loading) and data loading for testing
* Participated in and/or consulted on Integrated Application and Regression Testing
* Produced system user guides, and Test Results Matrix.
* Created installers using OUI (Oracle Universal Installer), InstallAnywhere, and related Merge Modules.

**Founder,** 03/2010 - Current

Random Android Apps

* Created a place to learn android programming
* Created a REST API website using PHP and Javascript
* Created various websites using WordPress
* Installed LAMP Stack on Ubuntu.
* Performed sys admin and database administration on various back-end servers.
* Learning Monday dev, Kanban, and Gantt, and how they integrate with Jira, GitHub and Slack.

**Various Contract Assignments** Jan 2010 – Dec 2010

**Sr. QA Engineer**

* Worked with development teams and test teams to update/enhance functionality
* Generated manual and automated use cases and systems requirements.
* Estimated levels of effort (LOEs) for analysis, design, development, and testing.
* Assisted with environment setup (installers, OS, 3rd party application loading) and data loading for testing
* Created installers using InstallAnywhere, and related Merge Modules.

**Openwave Systems Inc.**  Mar 2000 - Jan 2010

**Principle Automation/QA Engineer**

* Led the transfer of the team from manual system testing to automation system testing. Created a Java/C/C++ automation tool (UTP). Enriched UTP in Java and C/C++ to include many system interfaces (JDBC, ExpectJ, XML, WAP, Web Services, GSM, CDMA, and others). Provided product maintenance for UTP tooling. Enhanced a Perl product installer to be automated, which increased team productivity. Created additional scripts in Unix, and Perl which increased ease of use and time to market.
* Principal Software QA for various Mobile Phone Location products including Emergency Service, Commercial Services (Location Manager) on several telecommunication platforms (Sun UNIX, HP Unix and HP NSK,) and Geographical User Interface Provisioning platform (Sun UNIX, SQL Oracle and Web Clients) written in Java and C++ using Agile Scrum Software Life Cycle Models and Iterative Waterfall.
* Quality (validation & verification) activities using various Development and Project Planning documents like System Requirements, System Designs, Software Designs, Project plans, Developer notes, Customer documents, and Customer data/environments to write various quality documents throughout a product's lifecycle. These documents and activities follow IEEE standards and Agile Scrum practices including 2-week iterations, descriptions, schedules, logs, and reports.
* Other duties included mentoring and training team members, reviewing customer environments, supporting partner lab trials, testing automation systems, assisting customer support, and participating in various company quality improvement initiatives. These initiatives modified the life cycle processes to better line up with TL-9000 (Telecom ISO-9000 version) & SEI-CMMI, expanded the documented processes to involve management, strategic and tactical product plans & resources, and expanded the processes to other Openwave product areas. Define test data and test environments.
* Member of the Site Committee.

**Qwest Communications**  Oct 1999 - Mar 2000

Power Engineer

* Designed backup power systems for central office power supplies.
* Managed over 500 projects.
* Created a database tracking program using Microsoft Access to track productivity and job completion schedules.
* Supplied Status reports to managers and Directors for the state of Arizona.

**Ball Aerospace and Technologies Corp**. Oct 1994 - Oct 1999

Electrical Engineer

* Developed and tested of the QuickScat, QuickBird I and II Spacecraft, and other spacecraft, as well as Sage III instruments, including environmental and shock tests.
* Developed a harness test department, including creating test procedures, test scripts, and all test equipment required to perform the related tasks.
* Managed company assets and tracked usage.
* Worked with MATLAB Computer Aided Engineering tools
* Worked with the development team in the design and development of over 100 CCD Seasparrow cameras. Worked with the production team to develop, Acceptance Test Plans, Functional Test Plans, and Environmental System Tests procedures for the Seasparrow cameras.
* Performed environmental and shock tests using several different environmental chambers and test fixtures.
* Held Secret Clearance.

**EDUCATION**

Formal Degrees & Certifications:

Bachelor of Science in Electrical Engineering, the University of Colorado at Denver. GPA 3.577.

National Deans List. Vice President of the Electrical Engineering Honor Society, Eta Kappa Knu.

Member of the Order of the Engineer Link no. 76.

Associate of Science, Community College of Aurora Graduated with Honors, GPA 3.97. Colorado Scholars Scholarship.

Basic Supervisor Skills, Leadership Skills, and Management Skills Courses: Grades A (4.0)

Member Software Quality Association of Denver (SQuAD), Software Agile Denver, and IEEE Computer Society (IEEE-CS)

**Self-Training**

Java Programming Language courses and Agile Scrum Master training - Rally Software Course.

CPR and First Aid.

**Patent**

Data Storage Tape Analytics Patent No: U.S. 8,730,778 B2 May 2014

**United States Air Force Veteran**.