

Woodward H. Folsom IV
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Principal Software Engineer

Skills

- 16 years experience with Java on Windows, OSX & Linux
- 5 years with C#/.NET, IIS & Entity Framework
- Angular, Android, WPF & Swing UX
- Test-Driven Development using JUnit & Mockito
- SSO integrations using SAML 2.0 and OAuth

Recent Employment

6/2019 - present, Principal Java Engineer, **Deposco**

OS	Language	UX	Web Server	Source Control	Unit Testing
OSX/AWS/Docker	Java 17	Angular 13	Tomcat 9	git	JUnit

Essential Functions

- Full-stack microservices using Java, Spring, AWS & Hibernate.
- Angular UX design and implementation.
- Test-Driven Development using Mockito and JUnit 5.

6/2015 - 6/2019, Software Developer, **IDology**

OS	Language	UX	Web Server	Source Control	Unit Testing
Centos 7	Java 8	PHP	Tomcat 7	Subversion	JUnit

Essential Functions

- Implemented RESTful services using Spring Boot and Java/JSP.
- Wrote SQL queries and persistence code (MySQL/mariadb) daily.
- Designed and implemented ID document analysis system using OpenCV & zxing.

1/2013 - 6/2015, Senior Software Developer, **Holon Solutions**

OS	Language	UX	Web Server	Source Control	Unit Testing
Windows XP+/Server	C#/.NET 4.5	WPF & AJAX	IIS	Git	MSTest

Principal Achievements

- Drove organizational change from TFS/manual builds to git SCM, Jenkins CI.
- Integrated proprietary HIE app with SOAP services for ONC MU2 certification.

11/2009 - 7/2011, Senior Java Developer, **Savannah River Nuclear Solutions** (contract)

OS	Language	UX	Web Server	Source Control	Unit Testing
Windows XP & Solaris	Java 1.6	HTML & Flex	Tomcat 6	Git & Team Concert	JUnit, Emma & Findbugs

Essential Functions

- Migrated Java web applications from JServ to Apache Tomcat 6.
- Configured source control & continuous integration systems.
- Proactive management of defects in legacy code using static analysis.

6/2007 - 6/2010, Senior Java Developer, **BHP Billiton** (contract full/part time)

OS	Language	UX	Web Server	Source Control	Unit Testing
RedHat 3, Windows XP & OSX	Java 1.6	Swing & AWT	Tomcat 5.5	Subversion	JUnit and FEST-Swing

Essential Functions

- Implemented 2D seismic data rendering engine for multi-core systems.
- Developed Ant and Bash scripts to build, test & deploy 16 Java projects.
- Real-time profiling and tuning resulted in 20x speed improvement loading remote data sets and 90% lower memory footprint vs. legacy code.
- Maintained build and archival system for a suite of legacy Unix applications encompassing 20,000 files and build scripts for three platforms.

6/2006 - 4/2007 Java Developer, **US Dataworks**

OS	Language	Database	Web Server	Source Control	Unit Testing
Redhat Linux & Windows 2003	J2EE 1.4.2	DB2	WebSphere	Visual SourceSafe	Junit & jfcUnit

Fulfilled roles ranging from junior to lead developer on several versions of an Enterprise remittance and return application. Utilized 'test-first' development methodology to bring critical maintenance and integration code from requirements to QA or production the same day.

Essential Functions

- Development and debugging of multithreaded, distributed J2EE applications.
- Deployment and integration of database schema changes.
- Gathering requirements and tracking issues using Mercury Quality Center.

8/2004 - 6/2006 Java Developer, **NCI Building Systems, LP**

OS	Language	Database	Web Server	Source Control	Unit Testing
Redhat Linux & Windows 2000	J2EE 1.4.2	MySQL	Apache Tomcat	CVS & maven	Testng & jUnit

Essential Functions

- Migrated design software from Delphi desktop application to Java SOA
- Converted legacy Windows INF files to XML using SAX/XSLT.
- Revised HTML reporting system to use Eclipse BIRT.
- Implemented algorithms from UML and design documents.

Education **MS in Computer Science, 2012, Georgia Institute of Technology**

- GPA: 4.0

Certifications

- Sun Certified Java Professional
- Microsoft Certified Software Developer