

Woodward H. Folsom IV
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Senior Software Engineer

Education Master of Science in Computer Science, December 2012
Georgia Inst. of Technology Atlanta, GA

- GPA: 4.0

Certifications

- MCSD: Windows Store Apps Using C# License 11897768
- Sun Certified Java Programmer

Skills

- 12 years with Java on Windows & Linux
- 5 years with C#/.NET 4.5, IIS & Entity Framework 6
- Knowledge of WPF, Swing and Android App GUI development
- Proficient with FOSS tools: Eclipse, Ant, Tomcat & .NET Core
- Test-Driven Development: JUnit, MSTest, NUnit & XUnit
- SSO integrations using SAML 2.0

Recent Employment

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

OS	Language	Interface	Web Server	Source Control	Unit Testing
Centos 7	Java 8	PHP	Tomcat 7	svn	JUnit

Principal Achievements

- 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	Interface	Web Server	Source Control	Unit Testing
Windows XP+/Server	C#/.NET	WPF & AJAX	IIS	git	MSTest

Principal Achievements

- Converted legacy desktop client application from WinForms to WPF
- Drove organizational change from TFS/manual builds to git SCM, Jenkins CI.
- Architected RESTful security services using MSSQL, Web API 2, ASP MVC.
- 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	Interface	Web Server	Source Control	Unit Testing
Windows XP & Solaris	Java 1.6	HTML & Flex	Apache Tomcat 6	Git & IBM 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	Interface	Web Server	Source Control	Unit Testing
RedHat 3, Windows XP & OSX	Java 1.5 & 1.6	Swing & AWT	Apache Tomcat 5.5	Subversion & Ant	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	IBM DB2 w/ iBatis	IBM WebSphere	Visual SourceSafe & Ant	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 application
- 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 w/ Hibernate	Apache Tomcat	CVS & maven	Testng & jUnit

Ported engineering design software from Delphi desktop application to Java SOA (J2SE 1.4.2) environment. Enhanced migration speed by converting legacy Windows INF files to XML using SAX/XSLT. Revised HTML reporting system to use industry-standard database storage with Eclipse Business Intelligence Reporting Toolkit front-end.

Essential Functions

- Implemented algorithms from UML and design documents
- Performed continuous testing with JUnit and source control with CVS
- Created framework for new project modules using Apache Maven build system.