

Richard T. Tillis

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Senior Software Engineer

Technical Proficiencies

Languages	Java JavaScript PHP TypeScript JSP SQL PL-SQL T-SQL
Frameworks	Angular AngularJS Spring Eclipse BIRT
Databases	MySQL Oracle 10g-12c MS SQL Server Firebase
Servers / Platforms	Apache HTTP Tomcat JBoss Wildfly
Version Control	Git CVS SVN

Education

Master of Science, Software Engineering (2014)	Arizona State University
Bachelor of Science, Information Technology (2005)	University of Phoenix

Career Progression

Learning A-Z **Tucson, Arizona** **2015 - Present**

Leading provider of digitally delivered teaching products that support instruction and student growth in reading, writing, vocabulary and science. 8+ million student users in 500,000+ classrooms in 175+ countries worldwide.

Senior Software Engineer **2018 - Present**

[AngularJS](#) | [JavaScript](#) | [Java](#) | [PHP](#) | [MySQL](#) | [Apache](#) | [Tomcat](#) | [Linux](#)

- **Application Development:** Designing, developing, and maintaining mid-sized customer-facing projects
 - Developer & maintainer of a student activity usage reporting web app
 - Architect & developer of an in-house resource planning and scheduling web app.
- **Leadership:** Primary point of contact for code reviews for Tucson engineers

Software Engineer **2015 - 2018**

[Java](#) | [Spring](#) | [PHP](#) | [JSP](#) | [MySQL](#) | [Apache](#) | [Tomcat](#) | [Salesforce API](#) | [Linux](#)

- **Interface Development:** Developed a Java-based solution to synchronize 3M+ data records daily between the internal customer service system and the Salesforce CRM sales platform.
- **Security:** Updated Java 6 TLS 1.0 to 1.2. Integrated and rerouted all java-based outbound connections through an open-source library built to support Java 6.
- **System Design:** Designed scalable customer accounts schema, merging multiple systems together.
- **Web Services:** Developed an external-facing RESTful Pricing API library.
- **Leadership:** Salesforce API and system integration subject matter expert.

Raytheon Company **Tucson, Arizona** **2002 - 2015**

Major US defense contractor with manufacturing concentrations in military weapons and commercial electronics.

Senior Software Engineer **2010 - 2015**

[Java](#) | [Oracle PL/SQL](#) | [JBoss Seam](#) | [JBoss AS](#) | [Ajax](#) | [JSF](#) | [XML](#) | [BIRT](#)

Full-stack developer of multiple JavaEE / Oracle web apps. Developer of an FAA web app serving 250+ users. Also a developer of a shop-floor web-based system supporting 3 major Naval weapon systems.

- **Change Mgmt:** Completed 500+ change requests supporting business strategies & customer goals.
- **Business Intelligence:** Developed and maintained over 100 BI reports for 5 projects.
- **Performance Improvements:** Reduced web application heap memory by 40%.

Software Engineer **2008 - 2009**

[Java](#) | [Oracle PL/SQL](#) | [MS SQL Server](#) | [.Net](#) | [WIN2K](#)

Manager of the customer's shop floor system. Accountable for system interfaces and server maintenance.

- **System Design:** Defined complete business process requirements and system design specifications for a missile maintenance development project.
- **System Development:** Designed and developed an ETL system for a data migration project.
- **System Interfaces:** Maintained system interfaces with multiple SAP and other configuration systems.