Jeff Hall

Senior Java Software Engineer

CONTACT

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EDUCATION

**B.A. Computer Science |
    Echols Scholar**
University of Virginia
Charlottesville, VA | 2013

**Advanced Studies Diploma |
    Valedictorian**
Nandua High School
Melfa, VA | 2009

SKILLS

- Agile Methodology
- Website Design & Development
- Requirements Gathering
- Database Design
- Technical Documentation
- End-User Training and
  Documentation
- Web Service Design &
  Implementation
- UX Design & Implementation

PROFILE

Senior Software Engineer with key experience as a software consultant on tasks involving frequent client interaction. Skilled in enterprise web technologies, including Java, Javascript, JSP, HTML, and Oracle Database. Served as lead technical resource on several successful government studies and prototypes with $1.5 million+ budgets in total. Outgoing engineering professional with a B.A. focused in Computer Science from University of Virginia.

EXPERIENCE

Senior Software Engineer

Salient CRGT | USDOT - PHMSA | March 2018 - PRESENT

Currently responsible for operations and maintenance of J2EE Spring web applications, web services, command line applications, and related data models to support the PHMSA Data Mart and numerous modal partners.

- Delivered a complete overhaul of the inspection planning software for PHMSA, including UX design and buildout, web service redesign, and business logic updates utilizing Java, Spring, JSP, and Javascript technologies
- Designed and implemented migration plan for transitioning all existing web applications to latest Spring 5 technologies, including Spring Boot, Spring Security, and and Spring Data Repositories
- Set up and maintained key infrastructure, including WebLogic server configuration and deployment configuration for automated data piping tasks

Technical Architect & Systems Analyst

Salient CRGT | USDOT - PHMSA | November 2016 - February 2018

Served as the Lead Systems Analyst on a congressionally mandated feasibility study with a budget of $500k+; As Technical Architect, implemented key architecture and data pipelines in the follow-up $1 million+ UNGSF Data Sharing Initiative task. This study and implementation led Salient CRGT to establish a first of its kind prototype for state and federal pipeline data sharing.

- Designed and built key aspects of the data sharing pipeline and supporting systems
- Provided technical leadership to 5-7 person team, including mentoring new team members and delegating technical tasks

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Technologies

Languages & Engines (Proficient)
Java, JSP, HTML, JavaScript, J2EE, Oracle SQL, CSS

Languages & Engines (Familiar)
C, C++, Python, MySQL, Oracle ADF, Unity, HaxeFlixel, Unreal Engine

Operating Systems
Linux, Windows, Mac OSX

Frameworks & Libraries
Spring Framework, Hibernate, Apache Tiles, jQuery, Dojo, D3.js

Databases
Oracle, MySQL, LDAP

Tools
SVN/GIT, Toad, Trello, JIRA

INTERESTS

Game Development, Board Games, Mustaches, Drone Piloting, Photography, Virtual Reality Development

EXPERIENCE (CONTINUED)

- Conducted technical interviews with subject matter experts from 11 state agencies and multiple internal PHMSA divisions.
- Wrote technical guidance on how to bridge disparate technology platforms and unique data models

Mid-Level Software Engineer
Salient CRGT | USDOT - PHMSA | July 2014 - October 2016

Implemented new Java web applications and advised on key details/architectural changes for the front-end user interface, supporting data backend, web services, and server configurations.
- Received the Salient CRGT Impact Award, a company-wide recognition for continual efforts in improving and maintaining vital PHMSA risk assessment and inspection systems
- Led a framework and data model overhaul of the existing package testing data entry application for an external partner, LOGSA, to fix existing application deficiencies and meet the project timeline.
- Developed the PHMSA State Partner data entry web application prototype utilizing Spring MVC, Javascript, and Apache Tiles with a focus on ease of use for state partners. The application led to a contract modification and additional business for Salient CRGT.

Junior Software Engineer
Salient CRGT | USDOT - PHMSA | June 2013 - July 2014

Worked as part of a 5-person team to design and build new inspection planning and risk analysis software to be used as the first step in planning the 1000s of inspections conducted by PHMSA investigators annually.
- Designed and implemented new mapping and visualization functionality in Javascript and HTML5 to rank and display the riskiest hazmat transporters.
- Developed the Java backend and data model to support web application functionality