Jocelyn Irwin

Senior Software Engineer - TS/SCI clearance

CodeWitch@JocelynIrwin.com

LANGUAGES

JavaScript, TypeScript, HTML5, Sass, CSS

Java, Groovy, Python, C++, C#

Bash, Perl

FRAMEWORKS

React, Redux, AngularJS, jQuery, Dojo, ExtJS

Bootstrap, Underscore.js, Lodash

Vis.js, ag-grid, Highcharts, FusionCharts, TinyMCE, CKEditor

Jest, Jasmine, Karma, Protractor, Chai, Mocha

Spring, Hibernate, JUnit, Grails, Django, Node.js

DATABASES

MongoDB

Oracle, PSQL

OPERATING SYSTEMS

Red Hat, CentOS, Ubuntu,, Mac OS X, Windows

METHODOLOGIES

Agile, Scrum, Kanban, Lean, Test-Driven Development

TOOLS

Git, Gulp, Browserify, Webpack, Yarn, npm, Prettier, TSlint, Subversion, Apache, Tomcat, Maven, Jenkins, ClearCase, REST, AJAX, SOA

SUMMARY

Jocelyn Irwin is a senior software engineer with over twelve years of experience. Her career has focused on maturing rapid prototypes into production software. Jocelyn is passionate about developing intuitive user interfaces. She also advocates for building software that is easy to maintain and update.

Jocelyn has led agile teams of various sizes. She is well versed in Lean product development and agile software development practices. She also has significant experience gathering requirements, generating wire-frames, and mentoring junior engineers..

EXPERIENCE

Anthem Engineering Elkridge, MD — Senior Software Engineer for Mission Management Software

AUGUST 2018 - PRESENT

Technical lead for a team of 11 augmenting an existing thick client mission management system with a browser based GIS and data visualization tool with live streaming video as well as setting up the infrastructure and tooling.

Created proposal for summer intern project.

Visited test facility to aid in installations, debugging, and interact with users.

Designed and built new UI features including facilitating semi-automatic templated report writing, displaying alerts to users based on user-defined tasks, and a UI for complex filtering logic.

Refactored existing components to be generic components, use different libraries, and remove deprecated features.

Wrote and updated messages to allow for communication between TypeScript, Java, and C++ code.

Wrote a new script to parse the Node.js dependency list into a hierarchical report of dependencies and updated team scripts to further automate repetitive manual tasks.

Created a process to generate unit test reports on any branch of the repository. Previously the reports could only be generated in the nightly build of the development branch.

Emphasized increasing the reusability of components and minimizing custom CSS.

Anthem Engineering Elkridge, MD — Senior Leadership Support

AUGUST 2018 - PRESENT

Secured multiple new contracts for Anthem by providing exceptional software support to customers.

Assisted in writing technical sections of proposals for three different customers across multiple programs and teams.

Expanded team presence from one engineer to nine engineers by interviewing and hiring top notch employees and maintaining close customer relationships.

Led strategy meetings with Anthem leadership in order to ensure the company is always providing a positive influence to the customer.

Managed the careers of ten employees, including performance reviews and giving employees constructive feedback and acted as technical mentor to five employees.

Participated in biannual senior leadership meetings to establish company vision and priorities, support business development opportunities, and mitigate risks on existing business.

Drove an effort to improve the company's 401(k) offerings to employees.

Anthem Engineering Elkridge, MD — *Senior Software Engineer for Resource Scheduling Software*
APRIL 2017 - OCTOBER 2019

Led an incremental usability UI overhaul for AngularJS web application for a scheduling and administrative webapp for the Spectrum Collaboration Challenge for DARPA, creating a cohesive workflow for users and increasing communication between the team and users.

Added batch job functionality allowing users to schedule automatic reservations on the system where they can track the progress of their jobs.

Created an administrative sub-application displaying all reservations across resources, displaying details, automating system functionality for testing, maintenance, and daily operations.

Added Unit and End to End testing frameworks to the project, implemented tests, created Jenkins job with test reports and code coverage reports.

Emphasized increasing the reusability of components, minimizing custom CSS, increasing test coverage.

Lead a small team of 3 developers in this effort.

Anthem Engineering Elkridge, MD — *Senior Software Engineer for Competition Test Harness Software*
APRIL 2017 - NOVEMBER 2017

Rapidly prototyped an AngularJS UI for evaluating structured analysis techniques for IARPA in an environment with rapidly changing requirements.

Asymmetrik Annapolis Junction, MD — *Senior Software Engineer*
SEPTEMBER 2014 - MARCH 2017

Prototyped a new, highly configurable jQuery WYSIWYG text editing application deployed to various closed networks.

Refactored jQuery prototype application into AngularJS application in a stepwise fashion

to facilitate faster development turn around and more configurability.

Implemented Spring Security integration with enterprise security attribute database and PKI certificate infrastructure.

Created mockups of new features for customer approval.

Maintained legacy jQuery application and improved usability, performance, maintainability.

Helped government customer define requirements, then converted requirements to technical tasking.

Rapidly responded to customer needs in a continuous integration environment.

Henggeler Consulting Columbia, MD — *Software Engineer*
JULY 2012 - SEPTEMBER 2014

Developed UI and RESTful web services for a Grails web application.

Designed architecture for a financial reporting module using FusionCharts to display interactive charts.

Improved reporting performance by collaborating with DBAs to create views and indexes on frequently accessed data.

Refactored UI code to be consistent with AMD syntax.

Generated system and functional requirements for customer approval.

Consulted with design team on user interface mockups and functionality.

Delegated tasks and coordinated implementation details.

Deployed releases to all systems (production, test, staging).

Worked with a waterfall development process, but helped team leadership create business cases to present to the government customer in order to encourage a more agile process.

Next Century Columbia, MD — *Software Engineer*
JUNE 2009 - JULY 2012

Worked on UI development for multiple Java web applications.

Wrote Java RESTful web services integrated with Spring and Maven.

Wrote Groovy RESTful web services on the Grails framework.

Refactored JavaScript application from ExtJS to jQuery as well as refactoring application CSS for performance, maintainability, and scalability.

Integrated applications with both SQL and MongoDB databases.

Worked with an agile development process.

Meridium Roanoke, VA — *Software Engineer*
NOVEMBER 2007 - JUNE 2009

Designed and implemented software to provide risk assessment software in a thick client

application based on government regulations and customer requirements on an Agile development team.

Refactored legacy code to provide additional functionality.

Maintained legacy software.

Tested all new features.

ManTech Herndon, VA — *Software Engineering Intern*
JUNE 2007 - AUGUST 2007

Wrote Java code to perform custom functionality in Appian Business Process Management (BPM) Software.

Mapped processes and workflows in the BPM.

Interacted with the government customer to gather requirements and assess priorities.

Virginia Tech Blacksburg, VA — CS *Undergraduate Teaching Assistant*
AUGUST 2006 - DECEMBER 2006

Taught labs and held office hours for approximately 120 students learning the basics of Java.

Graded programming projects and homework assignments.

Maintained course website.

Virginia Tech Blacksburg, VA — *Library Classroom Assistant*
SEPTEMBER 2005 - AUGUST 2006

Setup, managed, and cleaned up classrooms.

Provided IT support to teachers.

Graded and organized quizzes.

Gave tours of the library and technical resources available to students.

EDUCATION

Virginia Tech Blacksburg, VA — *B.S. Computer Science*
MAY 2008

College of Engineering

Majored in Computer Science with a focus in Human Computer Interaction.

Minored in Math.

LINKS

https://jocelynirwin.com

https://github.com/jlcasto