

BRYCE HUGHES

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QUALIFICATIONS SUMMARY

Programming Languages and Data Objects

Java, JavaScript, Python, PHP, SQL, Scheme/Lisp, Perl, C++, HTML, CSS, XML, JSON

Common Libraries and Software

Spring, Hibernate, Mockito, Maven, JUnit, Log4j, Gradle, JMS, Angular, jQuery, Jasmine, Karma

Databases

Oracle, MySQL

Certifications and Training

Oracle Database: SQL Fundamentals 1 Certification

Program with PL/SQL Certification

Java SE Programmer 1 Certification

PROFESSIONAL EXPERIENCE

NCI Inc; Washington DC

February 2018–March 2019

Planned Systems International;

March 2019–Current

Senior Web Applications Engineer; USCIS Electronic Immigration System (ELIS)

- Developed Java EE based back- end services to save, retrieve, and process data
- Updated and managed Oracle database through the use of a CI Pipeline
- Created and updated JPA classes to retrieve data from the ELIS database
- Developed restful Angular services to be used across multiple immigration forms
- Used Angular and MVC architecture create to front-end, user facing functionality
- Developed front-end and back-end unit tests with Jasmine, Karma, and Mockito
- Communicated with business analysts and testers in order to scope and test user stories in an agile process
- Managed deployment of code to production as a part of a rotating production release team
- Merged code with 20+ other development teams using Git and Jenkins in a CI pipeline
- Managed dead-letter queues for quick identification of production issues
- Demonstrated new functionality and bug fixes to product owners
- Investigated and solved production issues of ELIS users through the use of Service Now
- Interviewed prospective employees and on-boarded newly hired project employees

The Goal; Rosslyn VA

October 2016–January 2018

Mid-Level Java Developer; IRS ACA Enterprise Automation

- Developed a Java based test automation configuration tool
- Designed an HTTP web service development plan to assist in remote installation
- Created client-side Java based front- end screens using Swing, JavaFX, and CSS
- Created development architecture plans for an enterprise data management tool
- Implemented service oriented architecture within a Java based development environment
- Designed and created a dynamic xml generation tool to assist in test data creation
- Lead best practice discussions for application and object-oriented architecture
- Implemented Junit to create robust unit tests and regression tests
- Modified and updated existing data generation tools
- Managed version control of multiple projects using Git
- Performed extensive requirements gathering from multiple product owners
- Created client design documents for an enterprise data management tool
- Engaged in team code review sessions

STG Inc; Rosslyn VA**May 2015–October 2016****Software Developer; Consular One Online Passport Renewal**

- Developed XML services and SOAP endpoints for consumption by internal and external systems
- Performed integration development and testing between Oracle SOA and Oracle Siebel
- Created easy to digest front-end screens to allow faster adjudication using Siebel
- Developed photo comparison functionality using JavaScript to aid adjudicators
- Used JavaScript to adjust DOM elements in order to provide adjudicators additional information
- Developed an XSD Scrubbing Java utility to assist with integration
- Created and manage back end artifacts including tables and SQL code
- Continuously coordinated with development and testing teams to implement an agile development cycle
- Engaged in current business requirement discussions and gap analysis for future project iterations
- Managed deployment of owned code to development and test environments

The College Board; Reston VA**Jan 2015–May 2015****Systems Automation Engineer**

- Created load testing scripts using Jmeter and Webload
- Updated existing load testing scripts
- Developed custom environment specific metric capturing scripts
- Coordinated with multiple development teams
- Presented performance results to product owners and development teams

Oracle; Reston VA**Sept 2013–Oct 2014****Associate Consultant**

- Consulted on a large healthcare exchange project
 - Worked as a System Integration Tester to ensure data integrity
 - Performed User Acceptance Testing to ensure a viable user interface
 - Carried out smoke testing after server migrations
 - Communicated directly with the client to achieve clear project goals
 - Developed code to streamline documentation process
 - Utilized and altered existing automation software code
- Worked on an internal healthcare exchange project
 - Performed System Integration Testing remotely
 - Utilized previously developed documentation programs to streamline testing

One View; Indianapolis IN**May 2013–Aug 2013****Technical Intern****Indiana University; Bloomington IN****Aug 2011–May 2013****Undergraduate Instructor**

EDUCATION**Indiana University; Bloomington IN****May 2013**

- Bachelor of Science in Computer Science
- Specialization in artificial intelligence

PERSONAL PROJECTS**Raspberry Pi**

- Created a Washington Metropolitan Area Transit Authority (WMATA) live train map using a combination of the provided WMATA API and custom train tracking functions
- Hacked an Amazon Dash Button using Python to initiate commands on a Raspberry Pi using TCP/IP packet sniffing.