

Derek Foster

500 13th Ave E., Apt #402, Seattle, WA 98102 | (310) 308-0831 | derekfoster94@gmail.com

Experience

Senior Software Consultant, Red Hat

Oct. 2019 - Present

Fortune 500 Health Care Company

Jun. 2020 - Present

- Set up post-commit Git hook to sync Red Hat Business Central .niogit repo with central GitHub repo
- Diagrammed proposed architecture, build pipelines, and Business Central sequence flow.
- Modified & processed Red Hat OpenShift 3.11 templates to suit client requirements, including MySQL, Elastic APM, Splunk

Giveback Ninja Program - UI Development

May 2020 - Present

- Migrated HTML/jQuery pages to React.js frontend with Patternfly, leveraging functional components with React hooks
- Implemented authentication and session management via Google OpenID Connect and protected React routes (React Router)
- Followed principles of contract-first development by setting up and maintaining an OpenAPI-conformant contract

Correspondent Lending Company

Oct. 2019 - Jan. 2020

- Initialized an Undertow on Spring Boot server that exposes CRUD web services (via Apache Camel REST) that interact with business rules (Drools, via RH PAM). Build and project management set up via Maven, including a custom code auto-formatter.
- Handled interactions with client stakeholders to ramp up on business processes, followed by designing application structure and needs. Designs included: CRUD microservices, model mapping to business rules, and queueing interaction
- Containerized application by using OpenShift's S2I (Source-to-Image) feature for rapid build and deployment. Configured by setting up a webhook to hosted GitLab repo to trigger build when push is done to protected master branch.

Software Consultant, Red Hat

Jan 2018 - Sept. 2019

Fortune 500 Financial Services Company

July 2017 - Sept. 2019

- Modernized question/answer framework to enable any conceivable data type as an answer type. Utilized advanced Java (generics, polymorphism) to enable all Java types, any custom classes, and the capability for multiple answers for one question
- Implemented and designed business rule (DRL/Decision Table) solution for a new workstream for gathering information to securely close a customer's account, along with 450 Cucumber unit tests and Cucumber step code.
- Served as workstream Tech Lead. Facilitated team processes to digest business requirements and turn them into actionable user stories for developers to consume, as well as interfaced with other teams within the company for cross functional stories.

Red Hat Associate Consultant Enablement

Aug. 2018 - Present

- Prototyped CRUD web services (via REST) hosted on SpringBoot + Apache Tomcat servlet for different profiles
- Trained over 20 new consultants to be field-ready, both technically and professionally in front of clients
- Organized short-term event logistics and long-term program goals, serving as de facto Scrum Master using Trello

Associate Software Consultant, Red Hat

Sept. 2016 - Jan. 2018

Fortune 500 Financial Services Company

July 2017 - Present

- Authored business rules to drive questionnaire, dynamically choosing which questions to ask user based on previous answers. Written in Drools Rule Language as well as Decision Tables, and testing using Cucumber
- Exposed REST APIs integrating with other services, such as internal and third party services, via Apache Camel on JBoss EAP
- Wrote complex model mapping code to facilitate the transfer of data into appropriate "layer" of our application; each layer is designed to handle a different business and technical need

BioTechnology Company

Sept. 2016 - June 2017

- Migrated a legacy Java application from purely EJB/Java Swing to exposing services through REST APIs to an Angular.js frontend hosted on a JBoss EAP application server
- Architected and implemented testing effort using Selenium WebDriver and Arquillian for robust integration testing

Languages, Frameworks & Skills

- Advanced: Java, JavaScript, React.js, HTML5, CSS3, Maven, SQL, Git, Apache Camel, Cucumber, Spring Boot
- Proficient: Docker, PostgreSQL, MongoDB, Jenkins, CI/CD, Hibernate, JPA, UML, Python, C++, Selenium WebDriver, Japanese
- **Certification: Red Hat** - Certification ID: 170-189-518
Certified System Administrator, RHEL 8

Feb. 2020

Education

University of California, Los Angeles – Los Angeles, CA

June 2016

Bachelor of Science, Computer Science