

Andrew Brey

TECHNICAL SKILLS

Languages

Proficient – Java, Ruby, JavaScript (client & server), and more

Familiar – Ruby on Rails, Python (minimally), C++ (minimally)

Web Technologies & Frameworks

Proficient – Spring, Dropwizard, HTML, CSS, XML, Angular (2+), Ionic, AngularJS, Angular Material, Webpack, Gulp, Bootstrap, JQuery,

WebExtension API, Cucumber, Watir, KarmaJS & Jasmine, PageObject

Familiar – GWT

Databases

Proficient – PostgreSQL, H2

Familiar – MongoDB

Development Practices

Agile, Scrum, Code Review, Design Patterns, OOD/SOLID

Software/Other

Amazon Web Services, JUnit, Selenium, Cucumber-JVM, Hibernate, Microsoft Office (especially Excel), Jenkins, ActiveMQ, Tomcat, Maven, Bower, NPM, NodeJS, Subversion, Git, IntelliJ, Eclipse, Bash, Batch

RELEVANT EXPERIENCE

Founder / Software Engineer – Fluency LLC

Jul 2017 - Present

Application and Website Development (*The kitchen sink and more*)

- Designed, architected, built, deployed, and maintained web applications / mobile apps / web sites for numerous clients in a wide range of industries using a large number of technologies and competencies.
- Sole owner and operator of the company, responsible for all day to day and long-term business operations from accounting and legal, to project implementation and deploy, to client acquisition and everything in between.

Software Engineer - Recondo Technology

Jun 2015 – Jul 2017

Hospital-Centric Healthcare Authorization Automation Tool (*Java, Ruby, Spring, WebExtension API, AngularJS, Angular Material, Hibernate, Gulp, Cucumber, Karma & Jasmine*)

- Technical and architectural lead for a highly distributed microservice based application composed of 3 different major code projects. The project sought to provide automated assistance to hospital staff when obtaining insurance authorization on behalf of their patients.
- Sole developer of an intricate and sophisticated end-user facing web application
- One of two developers for a Chrome/Firefox web extension/add-on which supported the automation tasks
- Member of a small team which built the microservice gateway for the web application and which served as the main conduit for business functions.

Legacy Product Suite RESTful API Creation (*Java, Ruby, Spring, Dropwizard, AngularJS, Bootstrap, Cucumber*)

- Member of a team responsible for building a RESTful API on top of the company's existing/legacy products to allow simple integration with client applications.
- Technical point of contact and lead support for client development teams during API integration
- Sole developer on an internal API-consuming webapp that facilitated easier testing and exploration of the API for the QA team and business stakeholders

Patient-Centric Healthcare Cost Estimation Tool (*Java, Ruby, Spring, AngularJS, Bootstrap, Cucumber, Karma & Jasmine*)

- Member of a small, highly agile 3-member team working closely with business stakeholders to rapidly prototype, formalize, then implement for production, a highly available healthcare cost estimation API, as well as a patient-centric and mobile friendly web application which itself would be a consumer of the API.
- Product initial version released late Q2 of 2016, and was ultimately responsible for over 1/3 of the company's revenue for the year.

QA Process Automation (*Ruby, Cucumber, Watir, PageObject, SQL, Selenium, Jenkins*)

- Implemented companies first automated integration testing framework, dramatically reducing the need for manual testing which took hundreds of man-hours with each quarterly release.
- Ongoing improvements after inception included integration test coverage expansion to cover all existing/legacy products, suite parallelization with a Selenium grid (reduced runtime from ~15 hours to ~2), and integration with Jenkins to allow for a CI pipeline.
- The project lead to a drastic reduction in code defect density, product defect leakage, and improved code reliability and customer satisfaction.

Business Analyst – Recondo Technology

Nov 2011 – Jun 2015

- Primary responsibilities included formal requirements gathering and documentation, statistical and analysis work spanning a wide range of business processes, product technical documentation/training, and new feature value proposition analysis with direct client collaboration
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EDUCATION

Colorado School of Mines (Golden, CO)

Aug 2009 – May 2013

B.S. Computational and Applied Mathematics