

# Andrew Brey

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## OBJECTIVE

I am a highly motivated Software Engineer who is eager to learn and grow while always keeping a focus on high quality with everything I do. I am seeking a role where I can bring my ability to learn quickly to help produce excellent software.

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## TECHNICAL SKILLS

### Languages

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

Familiar - Elixir, Python, C++ (minimally)

### Technologies & Frameworks

Proficient - Spring, Terraform, Dropwizard, HTML, CSS, XML,

Angular (2+), Ionic, Webpack, Gulp, Bootstrap, JQuery,

WebExtension API, Cucumber, and more

Familiar - Vue, Ruby on Rails, Phoenix, GWT

### Databases

Proficient - PostgreSQL, MySQL, H2

Familiar - MongoDB, CouchDB

### Development Practices

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

### Software/Other

Amazon Web Services, JUnit, Selenium, Cucumber-JVM,

Hibernate, Microsoft Office (especially Excel), Jenkins,

ActiveMQ, Tomcat, Maven, Bower, NPM, NodeJS, Subversion,

Git, IntelliJ, VSCode, Eclipse, Bash, Batch

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## RELEVANT EXPERIENCE

Founder / Software Engineer - Fluencyy 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.

Senior Software Engineer - Drift

Apr 2019 - Dec 2019

### Application and Website Development *(Golang, Elixir, Docker, Terraform, Python)*

- Overhauled production and staging infrastructure creation process through creation of custom Terraform modules to automate provisioning of cloud resources in both AWS and Digital Ocean.
- Implemented the companies first fully automated and complete functional and acceptance testing infrastructure, including integrating it into CI/CD workflows as a required step before application release.
- Sole developer responsible for a complete rewrite of the company web application following a rebranding effort, resulting in greater than 1,000% reduction in application download size, 500% reduced page load time, retaining all functionality, and increasing application content.
- Sole developer responsible for integration of Drift services with multiple third party APIs and applications including IOT device data streams and web-based data sources.
- Modernized onboarding process through automation and containerization of development environment services, resulting in the ability to bring a new developer online with a single command.

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