Andrew Brey

I am a highly motivated Full Stack Software Engineer who is eager to learn, grow, share, and teach while always keeping a deliberate focus on high quality with everything I do. I am seeking a role where I can bring my discerning eye, attention to detail, and sense of design to help produce excellent software.

TECHNICAL SKILLS

Languages
Proficient – *TypeScript & JavaScript (client & server), Go, Ruby, Java, Bash, and more*
Familiar – *Elixir, Python*

Technologies & Frameworks
Proficient – *Node, Deno, React, NextJS, NestJS, Vue, Angular, Docker, Linux, Electron, Ionic, Tailwind, Cucumber, and way too many more to enumerate*
Familiar – *Ruby on Rails , GraphQL, Phoenix*

Databases
Proficient – *PostgreSQL, MySQL, SQLite*
Familiar – *MongoDB, DynamoDB*

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

Software/Other
Amazon Web Services, Vercel, Fly, Microsoft Office (especially Excel), GithHub Actions, Git, VSCode, IntelliJ, and innumerable others

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 (*Go, 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

EDUCATION

Colorado School of Mines (Golden, CO)   Aug 2009 – May 2013
B.S. Computational and Applied Mathematics