

Pete Higgins

pete@peterhiggins.org

Seattle, WA

Skills and Technology

- Expert in Ruby and proficient in Golang, Bash, Typescript, and Javascript.
- Expert in TDD and other automated testing techniques.
- Familiar with Rust, Haskell, Java, C, and Python.
- Familiar with frontend technologies Sass and SCSS, Haml, and Typescript.
- Proficient with PostgreSQL and Elasticsearch, familiar with MySQL, Redis, and other data stores.
- Proficient Linux user, also familiar with Windows and OSX development environments.
- Familiar with AWS, GCP, and Azure cloud providers.
- Proficient with git and other source control tools.
- Proficient with Buildkite, TravisCI, Github Actions, and other CI services.
- Contributor to numerous open source projects such as [the Ruby language](#), [rubyfmt](#), [webmock](#), [rspec](#), [chef](#) and [minitest](#).
- Background in technical support, QA, and tutoring.

Employment

Western Climate Initiative, Staff Software Engineer, December 2025 - Present

Western Climate Initiative, Senior Software Engineer, November 2024 - December 2025

Led the development of a facade web app with React Router 7 allowing gradual replacement of a legacy web app with the strangler fig pattern, with feature flags used to enable new functionality in different environments. Integrated Auth0 authentication with existing bespoke auth to enable modern authentication workflows to work seamlessly across applications. Setup CI workflows for multiple apps in Github Actions that ran unit and integration tests with Jest, Vitest, and Playwright; ran static analysis tools like ESLint and Prettier; and built Typescript apps and Docker containers. Designed and implemented tools to help the frontend team develop an application specific reusable React component library; this included Storybook integration for isolated development and image based, platform independent visual regression testing with Playwright and Docker for use locally and on CI. Did extensive code review and mentoring of junior members for multiple teams to keep teams unblocked and maintain a high level of code quality for maintainability and debugability.

Snowflake, Software Developer III, February 2023 - March 2024

LeapYear was [acquired by Snowflake](#).

Worked on a small team with the goal of improving execution speed, correctness, and maintainability of executing queries in the WYSIWYG editor, a key part of Snowflake's web functionality. This was part of a larger effort to improve performance and code quality of the entire web frontend and platform. Worked primarily with React and typescript, but also Golang, bash script, docker.

LeapYear, Senior Software Developer, April 2021 - February 2023

Member of a two person team responsible for everything client-facing, including: web frontend for admin of the LeapYear system including advanced data entry and validation, written in React and Typescript; the GraphQL API serving the web frontend and python SDK, made with typescript, and postgres; Python SDK used by analysts to interact with the LeapYear system; API documentation for the python SDK; and occasionally responsible for functionality in the Haskell backend underpinning the LeapYear system. Designed and implemented a "credential-less" auth system for the Python SDK and GraphQL API to complement existing username and password auth system, inspired by SSH and AWS credential-less workflows.

Chef, Software Developer II, January 2017 - December 2020

Contributed to development of microservice applications in Erlang, Golang, Angular, and Typescript, and Ruby CLI applications and their supporting open source libraries. Focused on writing clean, well-tested code and tackling tech debt to improve maintainability, doing code reviews and bug triage, and mentoring junior team members. Highlights include adding automated accessibility testing for a frontend UI, re-implementing a library as a feature in an application to remove a burdensome integration point between multiple products, and debugging thread-safety issues in a Ruby app to reduce CI build flakiness.

Estatefy, Software Developer, March 2015 - December 2016

Performed development on a Ruby on Rails app and supporting Ruby services and projects. This included designing and implementing features across the application stack, mentoring junior devs, code reviewing and pair programming, identifying unused and inefficient legacy code that could be removed or refactored, and debugging persistent, intermittent problems across the stack and test suite.

Harvest Exchange, Software Developer, January 2013 - February 2015

Led the development of a small startup's web product written in Ruby on Rails. Primary duties were refactoring and optimizing the data model, API development for an in-house iOS app, integrating with 3rd party API providers as integral data sources, maintaining and reimplementing full-text search

with Elasticsearch and PostgreSQL, and making the deployment and monitoring streamlined and reliable.

Substantial, Software Developer, July 2011 - December 2013

Responsible for full stack development of customer websites using Ruby and Rails. Responsible for the entire lifecycle: gathering requirements with the 3rd party client, implementing desired interactive and visual design, designing and implementing the data model and backend, and deploying and maintaining web applications.

HP (formerly Melodeo), Software Engineer II, June 2010 - July 2011

Developed a framework for building Ruby daemons that communicated with AWS's SQS and SNS, enabling easier development of workers that process long-running tasks and pipelines while standardizing configuration, deployment, and monitoring. Implemented a Ruby web service to run on desktop PCs that acted as an intermediary between a Windows application, S3, and other applications that used Eventmachine to enable multi-threaded transferring of data while remaining responsive to user input.

Melodeo, Software Engineer, September 2006 - June 2010

Developed Ruby daemons combining input from web services and user data to produce distilled data used in web applications. Involved consuming large XML documents, full-text searching with Sphinx, and de-normalizing data in MySQL.

Melodeo, Software Test Engineer, September 2005 - September 2006

Managed all QA operations for mobile phone applications. Involved creating and executing manual test plans, maintaining a bugtracker and wiki of all QA activity, automating documentation generation and application build customization, and managing the activity of interns.

Education

- BSc in Computer Science from Boise State University, June 2005.

Online

- [Website](#)
- [Github](#)
- [LinkedIn](#)