

# Pete Higgins

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Seattle, WA

## Skills and Technology

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- Expert in Ruby and proficient in Golang, Bash, Typescript, and Javascript.
- Expert in TDD and other automated testing techniques.
- Familiar with Erlang, Rust, Haskell, Java, C, Python, and ActionScript.
- 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

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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

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

## Online

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