

EXPERIENCE

Strava, Denver, CO

April 2019 to present

Senior Software Engineer II

- Participated in company growth from fewer than 200 employees to more than 400 employees
- Reimplemented club leaderboard backend to eliminate scalability problems. Achieved fast response times (< 500ms) for clubs approaching a million members. ([Strava Engineering Blog, Part 2](#))
- Led development of new challenge leaderboard implementation to scale to millions of athletes per challenge.
- Led backend development of a new Local Legends service to count efforts from millions of athletes on millions of segments and provide ranks by count in the last 90 days. ([Strava Engineering Blog](#))
- Contributed to the creation of a new challenge service to support innovative challenge types such as streaks.
- Maintained and contributed to a 10+ year old Ruby on Rails monolith serving millions of requests per day.
- Developed and deployed backend services using technologies like Scala, MySQL, Redis, Kafka, and Docker.

Zen Planner, Highlands Ranch, CO

April 2018 to April 2019

Senior Software Engineer

- Transitioned engineering org to [trunk based development](#) to reduce merge conflicts and developer overhead.
- Leveraged Docker to create a unit test suite for a legacy Cold Fusion code base that did not have unit tests.
- Implemented a Jenkins pipeline to build and unit test every pull request.
- Delivered numerous features for memberships, billing, & login in legacy Cold Fusion & Java applications.

SpotX, Westminster, CO

January 2015 to December 2017

Senior Software Engineer, Team Lead

- Developed and maintained REST API (LAMP) to support dozens of new features in the publisher tools web application, where publishers configure and report on over 4 billion ad impressions every month.
- Spearheaded and maintained growth of PHPUnit test suite that runs ~ 2,200 tests in 4.4s.
- Introduced feature flags to codebase to allow “dark launches” with reduced code deployment risk.
- Significantly improved cross-team release process with a regular freeze & release cycle.
- Facilitated easier developer access to logs by implementing new PHP logging solution with systems team.
- Reduced developer overhead by replacing developer VMs with Docker across multiple development teams.
- Safely migrated a large PHP codebase from PHP 5.3 to PHP 7.

Denver Public Schools, Denver, CO

June 2013 to December 2014

Math Teacher & Denver Teaching Resident

- Completed residency under experienced mentor teacher at a Title I school in Denver Public Schools.
- Developed and piloted a project-based electronics and computer science course.

Pariveda Solutions, Denver, CO

January 2012 to May 2013

Software Consultant

- Implemented a new security layer in Java for a CRM webapp used by a Fortune 500 insurance company.

EDUCATION

Colorado School of Mines, Golden, CO

December 2011

B.S. in Applied and Computational Mathematics, Summa Cum Laude

INTERESTS

- Fast-paced, iterative development of web applications & APIs on Linux-based systems.
- Ruby on Rails, PHP, Scala, Java, SQL, Linux, Git, Docker
- Using devops techniques to streamline testing & release process while reducing risk.