MIKE KASBERG, SOFTWARE ENGINEER

 mkasberg
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EXPERIENCE

Strava, Denver, CO　　　　　　　　　　　　　　　　　　　　　　　April 2019 to present
Staff Engineer
- 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 leaderboards to scale to millions of athletes. (Strava Engineering Blog)
- 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 $\sim 2,200$ 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.