

Aaron Gable

CONTACT INFORMATION

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OBJECTIVE

A senior software engineering technical lead or individual contributor role at a company innovating in their field, with a special interest in open source.

WORK EXPERIENCE

Google, Inc. **2012 – Present**
Chrome Browser Infrastructure and Operations

Senior Software Engineer **2019 – Present**
Chrome Browser Core EngProd, Tech Lead and Manager

- Founder, manager, and technical lead of a new team of five software engineers.
- Owned configuration, performance, and capacity management of the largest open-source pre- and post-submit continuous integration build and test automation system in the world:
 - Pre-submit: 1,500 commit attempts per day, 900 hours of tests per attempt
 - Post-submit: 530+ distinct platform configurations,
 - 12,000 hosts including 5 locations with physical hardware and the cloud
- Designed and deployed solution to extend the system to cover release branches, raising throughput 11%.
- Reduced pre-submit wall-clock time by 20% at the median, from 48 to 38 minutes.

Senior Software Engineer **2016 – 2019**
Chrome Developer Experience, Individual Contributor and Tech Lead

- Technical Lead of the team owning Chrome's developer command-line SDK, code review application, code search service, and issue tracking tool.
- Led the migration of 700+ repositories to use Gerrit for code reviews, including work to bring Gerrit to feature and performance parity with the prior system.

Software Engineer III **2014 – 2016**
Chrome Infrastructure, Individual Contributor

- Developed and launched Monorail, a complete bug and issue tracking application to replace Chromium's prior home on Google Codesite.
- Built and operated pipeline to migrate 16 projects, 600k issues, 5 million comments, and 300k users from Codesite to Monorail in under 4 hours with zero data loss.
- Established timeseries monitoring libraries, pipelines, and best practices, and drove adoption of monitoring for 5000 physical hosts and 13 AppEngine apps.

Software Engineer II **2012 – 2014**
Chrome Infrastructure, Individual Contributor

- Designed and developed Recipes, a remote execution system to make Chrome's continuous integration processes self-contained, dynamic, and testable.
- Worked with developers and release managers to design and ship tools which enabled them to interact with Git-based replicas of Chromium's Subversion repository.
- Migrated the Chromium repository and all 200+ of its dependencies from Subversion to Git. Final switch-over accomplished with zero hours of developer down-time.

OTHER EXPERIENCE

Computer Science Instructor, Xavier University of Louisiana **Fall 2018**
Googler In Residence Program

- Developed curriculum, lectures, homework, quizzes, and exams for *Introduction to Computer Science*.
- Taught 47 students CS and programming in Python, up through nested data structures and recursion.
- Conducted interview practice sessions, leading to 11 students getting internships at top tech companies.

SKILLS

Fluency: Python, Git, Reliability best practices, Distributed build and test
Experience: Go, C++, JavaScript, Bash, SQL, Prolog, L^AT_EX

EDUCATION

Harvey Mudd College, Claremont, CA **2008 – 2012**
Bachelor of Science, Computer Science and Mathematics