Ottawa, Canada
(613) 981-3565
caleb@simpson.center

Caleb Simpson

SKILLS

I have over 10 years experience working in high performance software environments, particularly with web technologies such as Ruby on Rails, Javascript, GraphQL, MySQL, Vitesse, Kafka, and others. I have a keen interest in solving technical problems related to security, privacy, performance, and developer experience. I really enjoy, and have the ability to, learn new technologies quickly, especially when they unlock the ability to solve new engineering problems.

EXPERIENCE

Shopify — *Staff Software Engineer*

Jan 2020 - May 2023 (3.5 yrs)

- Lead and shipped a series of infrastructure projects to empower product developers with delightful APIs and documentation when using Shopify's Billing platform.
- Scaled the billing and reconciliation platforms from thousands to millions of events and dollars collected per day, by identifying and eliminating bottlenecks at all levels of the stack.
- Grew my team from a small 5 person team to over 30 engineers across 4 sub-teams. I helped peers with individual technical growth through mentorship, pairing, and targeted delegation.
- Worked closely with other leaders to define long-term technical visions and short-term project roadmaps for how to achieve those visions.
- Directly lead and contributed to key performance and scaling projects such as:
  - Extracting and refactoring the tightly coupled billing component out of the core Shopify monolith into a developer focused platform
  - Refactoring and re-architecting applications so that their databases could be efficiently sharded & distributed

Additional Shopify Roles

Senior Software Engineer — Jan 2018 - Jan 2020 (2 yrs)

Software Engineer — Jan 2015 - Jan 2018 (2.5 yrs)

- Built a high performance financial reconciliation data pipeline for Shopify Payments, which integrates with multiple 3rd party APIs and processes millions of events per day.
- Built a full-stack billing console which is used every day by both engineers and support staff to operate the billing application.
- Designed and built a high performance usage event system, which was key to creating the Shopify Plus product offering.

- Contributed to open source projects such as ActiveMerchant to internationalize the payment systems.

Iotron Industries — *Software Developer*

Jun 2009 – Mar 2015 (5.5 yrs; part time through school)

- Built and maintained full-stack tooling for the company's internal business processes around inventory & maintenance scheduling
- Modernized legacy desktop software into a LAMP based web application
- Gathered and disambiguated software requirements from non-technical customers

EDUCATION

Carleton University — *Bachelor of Engineering (B.E.), Software.*

2010 – 2015, Ottawa Canada

With High Distinction