

## Summary

- Lead developer at a startup that grew from 12 to 35 people over 2 years.
- Creative systems thinker that provides value across changing business requirements and the organization.
- Empathetic problem-solver that loves to learn, laugh, and help others.
- A history of taking projects from 0 to 1 and beyond with TDD.

Over 2 years of full-time experience shipping production code with:



## Education

- University of Waterloo  
*Candidate for BAsC in Systems Design Engineering, 2023*  
Open to relocation
- Bitmaker Labs / General Assembly  
*Youngest graduate of 9-week Full-stack Rails Bootcamp, 2014*

## Q Labs Software Engineering Fellow San Francisco Jan 2019–Apr 2019

Developing ETL pipelines with Python and Luigi, improving the resiliency of existing projects, developing internal libraries to improve developer output, and operationalizing data science using Docker.

## #paid inc. Full-stack Developer Toronto Aug 2016–Mar 2019

Interim CTO of a 5-person engineering team from August–December 2017.

Architected and developed using Rails and Test-Driven Development a built-from-scratch V2 of the whole customer experience for creators, the internal accounts execution team, and the accounting department.

Architect and lead developer on a greenfield concurrent Elixir program over 4 months that allowed the:

- + Ability to provide campaign performance analytics to clients (previously, no capability)
- + Saturation of our onboarding pipeline with 50,000+ medium-qualified creators (previously, 150+)

Lead front-end developer for a mission-critical landing page redesign in 2018. Delivered in 1 week with jQuery, Bootstrap, and SCSS.

Supported developers through technical mentorship, pair programming, and code review in the delivery of features and small projects for 1–4 hours a day to improve their skills and remove development roadblocks.

During downtime:

- + Designed and developed a poka-yoke feedback script in Google Sheets for our creator acquisition team.
- + Created JavaScript bookmarklets to assist creative team workflow and support sales presentations
- + Developed a proof of concept serverless ES6 application to address scaling issues with an API

## Independent Projects

Interested in the application of deep learning methods towards user recommendations. Beta-testing a software product that brings more joy to music lovers.

- + Performing customer research
- + Designing a brand identity and landing page
- + Iterating on an MVP
- + Studying product management & decision making

## Authored Open Source Libraries

### CSV.js *JavaScript*

★ 1,454 GitHub stars, 5,000–15,000 weekly downloads  
A simple, blazing-fast CSV parser and encoder.  
[npmjs.com/package/comma-separated-values](https://npmjs.com/package/comma-separated-values)

### geocoder *Elixir*

★ 54 GitHub stars, 37,161 all-time downloads  
The go-to geocoding solution for Elixir.  
[hex.pm/packages/geocoder](https://hex.pm/packages/geocoder)