

Adam Melnyk

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<https://www.adammelnk.ca/>

<https://github.com/adarmelnk>

EDUCATION

Bachelor of Arts

University of Alberta, Edmonton, AB, Graduated December 2014

Major: Computing Sciences

Minor: Philosophy

COMPUTER SKILLS

Java, Python, Ruby on Rails, Rust, Node.js, Bash, SQL

EXPERIENCE

Senior Software Engineer

October 2021 - Present

Seesaw, Remote, San Francisco, CA

- Maintaining a CSV processing pipeline and administrative interface using python and the tornado web server
- Refactored CSV Tool processor, increasing resiliency, consistency, and test coverage resulting in one of the fewest bugs during back to school seasons
- Upgraded rostering system to use new API's

Software Engineer

October 2017 - October 2021

Vrbo / HomeAway, Austin, TX

- Architected and modeled a new messaging, informational and error service for a greenfield project.
- Planned and implemented a traveler selected currency checkout system
- Developed of Geographical Search API's and tools as a part of the Geo, Search Services Team
- Built scalable web services with *Java*, *Dropwizard*, *Kafka*, and *Elasticsearch*
- Updated an existing monolith from *Elasticsearch* 1.7 to 5.6

Software Engineer

August 2016 - August 2017

OwnLocal, Austin, TX

- Built pipelines and backend software with *Serverless framework*, with *AWS Lambda*, *Step Functions*, *S3*, and *JavaScript*
- Maintained legacy systems with *Ruby on Rails*, *Docker*, *Rancher OS*, *Redis*, and *MySQL*

Full-Stack Web Developer

December 2014 - July 2016

Alberta Motor Association, Edmonton, AB

- Developed microservices, web applications, and APIs with *Ruby on Rails*, *Sinatra*, and *Postgres*
- Built banking calculators using Ember.js

PROJECTS

CHIP 8 Emulator:

- CHIP 8 emulator using *Rust*
- https://github.com/adarmmelnyk/chip_8_emulator

SCLI:

- Sonos CLI tool using *Rust*
- <https://github.com/adarmmelnyk/scli>

Gameboy DMG-CPU Emulator:

- An emulator for the original Nintendo Gameboy using *Rust*
- https://github.com/adarmmelnyk/oxide_boy

Personal Blog:

- Computer science and programming related topics
- <https://arm64.ca>