

Adam Melnyk

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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 web applications with *Ruby on Rails*, *Sinatra*, and *Postgres*

PROJECTS

CHIP 8 Emulator: CHIP 8 emulator using *Rust*

SCLI: Sonos CLI tool using *Rust*

Gameboy Emulator: An emulator for the original Nintendo Gameboy using *Rust*

Personal Blog: Computer science and programming related topics