

Adam Melnyk

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

<https://github.com/adarmelnkyk>

EDUCATION

Bachelor of Arts

University of Alberta, Edmonton, AB, Graduated December 2014

Concentration: Computing Sciences

Minor: Philosophy

COMPUTER SKILLS

Java, Javascript (ES6), Ruby on Rails, Rust, Node.js, Serverless, Bash, SQL

EXPERIENCE

Software Engineer

October 2017 - Present

Vrbo / HomeAway, Austin, TX

- Planned and implemented a traveler selected currency checkout system
- Implemented PayPal payment processing
- Development of Geographical Search API's and tools as a part of the Geo, Search Services Team
- Building scalable web services with *Java*, *Dropwizard*, *Kafka*, and *Elasticsearch*
- Updating 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*
- Modeled data for and designed a WYSIWYG website editor using *React*
- Automated deploys and personal staging environments with *Bash* and *CircleCI*
- 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: https://github.com/adarmelnkyk/chip_8_emulator CHIP 8 emulator using *Rust*

SCLI: <https://github.com/adarmelnkyk/scli> Sonos CLI tool using *Rust*

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

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