

# Adam Melnyk

---

**Mobile:** (512) 765-3361 — **Email:** adam@adammelnyk.ca  
www.adammelnyk.ca — **GitHub:** adamrmelnyk

## SKILLS

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

## EXPERIENCE

*Senior Cloud Engineer* May 2023 - Present

Trellix: Threat Detection, Austin, TX

- Improving Trellix Detection as a Service platform using *Python*

*Senior Software Engineer*

November 2022 - February 2023

Cloudtrucks: Trucking Management, Austin, TX

- Improving the core onboarding flow using *Python* and *Django*
- Implementing a new roles and permissions service to control access to web functionality
- Integrating instant booking with freight networks

*Senior Software Engineer*

October 2021 - September 2022

Seesaw: Elementary Learning Platform, Austin, TX

- Refactored CSV processor and pipeline, increasing resiliency, consistency, and test coverage *resulting in the fewest bugs during any back to school season*
- Automated integration testing for third party API's and eliminated deprecated integrations
- Maintained administrative interface using *Python* and the *Tornado* web server

*Software Engineer*

October 2017 - October 2021

Vrbo: Vacation rentals, Austin, TX

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

*Software Engineer*

August 2016 - August 2017

OwnLocal: Automated Ad Platform, 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*

## 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

## **EDUCATION**

*Bachelor of Arts*

University of Alberta, Edmonton, AB, Graduated December 2014

**Major:** Computing Sciences **Minor:** Philosophy