

Adam Melnyk

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SKILLS

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

EXPERIENCE

Senior Cloud Engineer May 2023 - Present
Trellix: Threat Detection, Austin, TX

- Developing and maintaining serverless APIs using *Python*, *AWS Lambda*, and *Dynamo DB*
- Converting and integrating Windows detection, analysis, and scanning applications into *.NET AWS Lambdas*
- Creating CICD pipelines with *Cloudformation* and preparing a govcloud deployment for FedRAMP authorization
- Developing and upgrading IVX Cloud service platform using *Python*, *C*, *C++*

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

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*
- 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*
- Building and maintaining *Javascript*, *Bash* tools and services for Geo Analytics

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