

Urmzd Mukhammadnaim

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github.com/urmzd

SKILLS

Languages: (Proficient) Java, Python, Rust, TypeScript, Bash; (Familiar) C, Lua, SQL

Tools & Frameworks: AWS, Docker, React, Redis, Spring Boot, Serverless Framework, Node.js, GraphQL, Jenkins

EXPERIENCE

Software Engineer **Air Miles** **Sep 2022 - Present**
Toronto, Ontario

- Built serverless microservices to generate millions of OAuth 2.0 Access Tokens at scale using AWS Batch, KMS, ECS, and S3.
- Developed internal tooling to collect performance metrics, enabling developers to make informed design decisions.
- Established development standards by leading discussions on testing, architecture and code-level practices.
- Supported junior engineers in their tasks, allowing the team to complete all sprint commitments.

Software Engineer **ReelData** **Aug 2021 - Apr 2022**
Halifax, Nova Scotia

- Engineered QA automation tool, reducing QA turnaround by 90% and enabling data collection for R&D purposes.
- Increased observability into data pipelines by engineering features to enable testing, metering, tracing, and shadow-deployments.

Full Stack Developer **Dear Life** **Nov 2020 - Apr 2021**
Halifax, Nova Scotia

- Leveraged Serverless Framework, AWS Aurora, Lambda, API Gateway, S3 and, CloudWatch to stand-up scalable and fault-tolerant microservices.
- Architected referral microservice using AWS SQS and Serverless, increasing pre-release email signups by 1000%.

Full Stack Developer **Shoelace Learning** **Jun 2020 - Aug 2020**
Halifax, Nova Scotia

- Built and maintained RESTful APIs on top of MySQL and MongoDB to handle thousands of daily users in North America.
- Engineered visualization tools using React and Redux to enable educators to view key insights into students' progress.

PROJECTS

Linear GP **Rust** github.com/urmzd/linear-gp

- An extensible framework for resolving classical and machine learning problems using linear genetic programming.

Zettelkasten **Rust** github.com/urmzd/zettelkasten

- A scalable and secure application to enable productive note-taking.

EDUCATION

Dalhousie University **Sep 2018 - Apr 2023**
Bachelor of Computer Science (Hons)(Co-op)

Description: Minor in Mathematics; Certificate in Artificial Intelligence & Intelligent Systems

Achievements: Sexton Scholar - Winter 2020, Summer 2021

HOBBIES & INTERESTS

Mixed Martial Arts (MMA), Life and Physical Sciences, Neuro-Tech, System Design, Machine Learning