Laith Kamaleddine

✉ L.kaldyne@gmail.com 🔗 linkedin.com/in/laith-kamaleddine ⌨ github.com/lkaldyne 🔖 laithkd.com

Technical Skills

Languages: Python, Ruby, C, C++, JavaScript, Java, SQL, HTML/CSS, Golang
Technologies: Rails, Django, Flask, Node.js, Spring, Docker, Kubernetes, GRPC, Git, AWS, React, React Native, Vue, Redux, MySQL, JUnit, Pytest, Travis CI, Gitlab CI, Jenkins

Experience

Wish   **Sept 2021 – Dec 2021**
Software Engineer (Co-op)   *Remote*

- Led the design and development of various high impact features for Wish's globalization team.
- Independently created a plug-and-play sidecar service to provide translation and globalization functionality, reducing onboarding time for new microservices by ~50%.
- Decoupled globalization logic on client microservices into an independent service to drastically simplify the codebase and improve maintainability.
- Fixed performance issues for high-impact microservices with strict latency constraints through the migration from REST to GRPC protocol, reducing latency by ~85%.
- Improved accuracy of estimated shipping dates for ordered products in non-USA countries through a localized shipping date calculator that accounts for a country's local holidays and weekends.
- Took ownership of several quarterly objectives (OKRs) and drove them to completion.
- Oversaw the lifecycle of several large-scope initiatives from design discussions to production release, gaining extensive experience in SLA management, monitoring, and Kubernetes.
- Successfully completed on-call rotations for high-impact APIs supporting client-facing microservices.

National Bank of Canada   **Sept 2020 – Dec 2020**
Chatbot Software Developer (Co-op)   *Remote*

- Built an internal CLI tool to automate repetitive tasks done by the ML team such as creating, training, testing, and versioning chatbot neural nets, causing a boost in efficiency and halving time required for each chatbot release.

OpsLevel   **Jan 2020 – Apr 2020**
Software Developer (Co-op)   *Toronto, ON, CA*

- Developed an ETL pipeline to send DB snapshots to S3 while minimizing memory usage costs via a batch streaming strategy, reducing server-side memory usage by ~95% compared to regular uploading.
- Leveraged Rails Action-Cable (Websockets) to add live updating to critical user-facing dashboards and improve UX.
- Added server, DB, and application metrics in Datadog for improved backend visibility.
- Created a backend infrastructure in Rails for chaining asynchronous background jobs.

NCR   **May 2019 – Aug 2019**
Software Developer (Co-op)   *Waterloo, ON, CA*

Genesys Telecom Labs   **Sept 2018 – Dec 2018**
Software Developer (Co-op)   *Markham, ON, CA*

Education

University of Waterloo   **Sep 2017 – Apr 2022**
Bachelor of Applied Science, Computer Engineering (Dean's Honors List 2020)   *Waterloo, ON, CA*

- Data Structures and Algorithms
- Large-Scale Software Architecture and Design
- Database Systems
- Advanced Topics in Computer Networks
- Object-Oriented Software Development
- Real-Time Operating Systems

Projects

AlteredSound Tool
React, Flask, Librosa, Docker, Kubernetes, Travis CI

- Built a webapp to perform modifications on uploaded audio files such as pitch shifting, time scaling, vocoding, etc.

Car Sales App – Backend + CLI Tool
Python, MySQL, Argparse, Pandas

- Created a BCNF and ACID-compliant database in MySQL based on raw historic car sales data from Kaggle, along with a CLI in Python providing full CRUD functionality for user accounts and car postings.