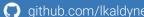
LAITH KAMALEDDINE





aithkd.com github.com/lkaldyne in linkedin.com/in/laith-kamaleddine



(647) 924-1679

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

PROFESSIONAL EXPERIENCE

Wish – Software Engineer (Co-op) – San Francisco, CA (Remote)

Sept 2021 - Dec 2021

- Led the design and development of various high impact features for Wish's globalization team and drove several quarterly objectives to completion
- 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 in Python that accounts for a country's local holidays and weekends
- Took ownership of 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 - Software Developer (Co-op) - Montreal, QC (Remote)

Sept 2020 - Dec 2020

Built an internal CLI tool using Python and Argparse 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 – Software Developer (Co-op) – Toronto, ON

Jan 2020 - Apr 2020

- 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 monitoring
- Created a backend infrastructure in Rails for chaining asynchronous background jobs

NCR - Software Developer (Co-op) - Waterloo, ON

May 2019 - Aug 2019

Implemented biometrics and anti-root features for NCR's mobile deposit application using Cordova and IBM Trusteer

Genesys Telecom Labs – Software Developer (Co-op) – Markham, ON

Sept 2018 - Dec 2018

Developed core features within Genesys' cloud platform, notably a microservice in Java for on-the-fly voice translation designed for international VOIP call centers

KPMG LLP – *RPA Developer (Co-op)* – Toronto, ON

Jan 2018 – Apr 2018

Piloted the design, plan, and development of a Python NLP solution to extract and aggregate key information from unstructured lease contracts into an intuitive UI, decreasing lease processing times for accountants by ~80%

EDUCATION

University of Waterloo - Candidate for B. A. Sc. In Computer Engineering

Sept 2017 - Apr 2022

- 88% cumulative GPA. Dean's Honours List 2020.
- Notable courses include Data Structures and Algorithms, Large-Scale Software Architecture, Database Systems, Advanced Topics in Computer Networks, Object-Oriented Software Development, and Real-Time Operating Systems, Compilers

PROJECTS

Altered Sound Tool: Built a webapp using Flask and Librosa to perform modifications on uploaded audio files such as pitch shifting, time scaling, vocoding, etc.

Car Sales CLI: Created a BCNF-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.