LAITH KAMALEDDINE

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CONTACT

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SKILLS

Languages

Python	Ruby
C & C++	JavaScript
Java	HTML/CSS
Bash	Perl

Frameworks and Technologies

Rails	Vue.js
Node.js	React.js
Django	Flask
Spring	Docker
Kubernetes	MySQL
Pandas	SciKit Learn
Travis-CI	Gitlab-CI

COURSEWORK

Object Oriented Software Development

Data Structures and Algorithms

Database Systems

Computer Networks

Systems Programming and Concurrency

Real-Time Operating Systems

EDUCATION

University of Waterloo (UW)
BA.Sc Comp. Eng. (2022)

OTHER INTERESTS

Volunteering: RCM, WS Aquatics
Music: Piano, Electric Guitar
Languages: English, French, Arabic

RELEVANT WORK EXPERIENCE (Applicable to this Position)

2020   **Chatbot Software Developer** | National Bank of Canada

- Led the development of DSP-CLI, an internal tool for the bank's chatbot cloud
  - Provided features such as creation of chatbot instances, automated training/testing, and model configuration version control, improving efficiency of the data science team by 50%+ per chatbot lifecycle

2020   **Software Developer** | Opslevel

Developed Opslevel ETL, a pipeline allowing clients to receive periodic data snapshots from Opslevel's database into their S3 buckets.

- Streamed data in batches to S3, which minimized server-side memory/storage usage by 95%
- Used Stop-Replication strategy to preserve database consistency
- Leveraged Rails Action-Cable (Websockets) to add live updating to the frontend
- server, database, and application metrics in Datadog.
- Created a backend infrastructure in Rails for chaining async background jobs

2018   **Software Developer** | Genesys Telecom Labs

- Developed core features within Genesys' cloud platform, notably a microservice for on-the-fly voice translation designed for international VOIP call centers.
- Built full CI/CD deployment pipelines in Jenkins for various microservices.

2019   **Software Developer** | NCR Canada
2017   **RPA/AI Developer** | KPMG LLP

PROJECTS

Meza | React Native · Node · Express · Flask · PostgreSQL

- Created a mobile app that scores a food product's healthiness based on a photo of its ingredients.
- Leveraged technologies such as Tesseract.js, Google API, and Watson API for OCR, automated ingredient research, and sentiment analysis respectively.

Car Sales App – Backend + CLI | 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
- Incorporated best practices for security, including one-way hashing, salting, escaping, and input sanitization.