Calum Hrabi

Software Developer

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Skills

Programming Languages: Go, Python, JavaScript / TypeScript, Java
Frameworks: React, React Native, Express, Flask, SQLc, TensorFlow, Keras, Pandas, PySpark
Other Tools: MySQL, PostgreSQL, NoSQL, AWS, CloudFormation, GCP, Firebase, Docker

Experience

Full-Stack Software Developer - V2 Cloud Solutions   Sept 2024 - Jan 2025
- Designed and implemented new APIs using **Python** and **Django** to manage requests for a SaaS cloud services dashboard, enhancing backend functionality and scalability.
- Built and refined **React** frontend features aligned with Figma designs to deliver a seamless and visually cohesive user experience.

Back-End Software Developer - Kablamo Canada Inc   Jan 2024 - May 2024
- Developed serverless backend of Fin-tech Mobile Application using **Golang** and **AWS Lambda**, addressing needs of an high-profile client.
- Collaborated with DevOps team to implement **AWS Kinesis** Data Stream, enabling real-time streaming of Lambda API logs to **Datadog** for enhanced monitoring and analysis.
- Created an internal CLI tool using **Go** and **Cobra** to generate comprehensive unit test coverage reports for 80+ Git repositories.

Front-End Software Developer - Kablamo Canada Inc   May 2023 - Aug 2023
- Contributed to frontend of a Fin-tech Mobile Application using **React-Native** and **Typescript**, catering to the needs of an enterprise-level client.
- Worked with back-end team and design team to overhaul user-interface of the application and implement new components designed in **Figma**

Full-Stack Developer – Vluence   Sept 2022 - May 2023
- Developed **React-Native** components using **TypeScript** for home page of social media mobile application
- Created **REST APIs** using **Express** to handle CRUD requests for the mobile app
- Implemented ETL pipeline using **Python**, **Pandas**, **BS4**, and **PostgresSQL** to extract SEC filing data

Software Developer – Environment and Climate Change Canada   Jan 2022 - April 2022
- Developed **REST APIs** for internal web application, using **Python**, **Flask** and **Jinja2** to help the CITES Canada team issue permits with more precision and efficiency

Projects

Machine Learning Crypto Trader
- Predicted the hourly price of Ethereum with **<0.1 Mean Average Percent Error**, using a **Bi-directional LSTM** neural network with **TensorFlow**/**Keras**, based on historical time-series data
- Implemented an ETL pipeline to process real-time and batch data, using **Kafka**, **PySpark**, **Pandas**, **Keras**, and **MongoDB**, to optimize the precision of the model

SoundBite AI Meeting Transcription
- Created a full-stack application using **GCP** Speech-to-Text and **ChatGPT-3 APIs** to generate customized summaries of audio snippets, improving accessibility to spoken content.
- Implemented secure user authentication with **Firebase**, and managed CRUD operations with **Express** and **Node.js** to enable smooth data handling and user account management.

Education

University of Waterloo   Waterloo, ON
B.ASc in - Management Engineering   Sept 2020 - April 2025