JOSHUA GHORI

SOFTWARE ENGINEER

🎓 EDUCATION

UNIVERSITY OF WATERLOO   **Sept 2017 - Apr 2022**

- BaSC in Management Engineering, Computing Option

💼 EXPERIENCE

TESLA · SOFTWARE ENGINEER   **Aug 2021 - Present**

- Contributed to the product launch and development phases of the **Cybertruck**, **SemiTruck**, and refreshed **Model 3**. Ensured integration of legacy UI components while aligning to the product scope of new platforms
- Revamped maps and navigation UI components using **C++** to integrate new waypoints feature utilized across ~*2.5M* cutomer vehicles, resulting in a *23%* reduction of navigation server traffic
- Developed a **RESTful API** in **Golang** for securely storing encrypted driver profile data, enabling seamless profile synchronization between cloud servers, vehicles, and mobile applications
- Improved map tile loading times by altering CPU priority, resulting in a 17% system performance improvement
- Deployed CLI microservice using **Python** that remotely connects to fleet vehicles through SSH and allows developers to conduct performance health checks on system, reducing metric processing times by *45%*

IBM · SOFTWARE ENGINEER   **Jan 2021 - April 2021**

- Collaborated with Air Canada to redesign and develop the company's mobile application using **Swift**. Reduced API response times by *40%* by refactoring seating maps schema using **IBM Cloud**
- Utilized **React.js** and **Django** for an internal application that analyzes an employee's past projects and expertise to recommend them to future IBM projects. Integrated **Slack API** to automate pub/sub microservice
- Introduced and contributed to test driven development, continuous integration, and automated deployment pipelines in **AWS** for existing projects using **Jenkins** and **Docker**

OMERS · FULL STACK DEVELOPER   **May 2020 - Aug 2020**

- Led the development of migrating a legacy pension administration application to **React.js (Redux)** and **Typescript**. Engineered Container Orchestration management through **Kubernetes** services.
- Architected a **RESTful API** endpoint using **Flask,** and **PostgreSQL** that provides insights into a clients financial data reports, increasing pension processing by *75%*
- Improved security on client-facing service by rewriting **Web APIs** using multi-tier architecture and JWT Token

TOYOTA · SOFTWARE DEVELOPER   **Sep 2019 - Dec 2019**

- Designed and implemented an **AWS** service using **Node.js** and **S3 Buckets** that allows other Toyota services to access encrypted files, ensuring only authorized personal gained access
- Developed a single-page application in **React.js, Express.js,** and **MySQL** using a **MVC** design pattern for employees to record their business mileage and submit end of year reports, utilized by *2,500+* employees
- Architected and shipped serverless **RESTful API** using **Node.js** and **Express.js**; Deployed on **AWS Lambda**

CIBC, CAPITAL MARKETS · SOFTWARE DEVELOPER   **Jan 2019 - Apr 2019**

- Saved *150+* hours quarterly by creating a web application in **JavaScript, HTML** and **CSS** allowing employees to upload and compile data from profit and loss statements to identify key metrics and global investments
- Developed a dashboard summary page using **React.js, Express.js** and **Tableau API** to integrate with an existing financial reporting tool, increasing department productivity by *50%*
- Utilized **Node.js** dependency injection and building **REST** endpoints for client-server communication

📁 CO-CURRICULARS

HANGRY · COFOUNDER   **2020 - 2021**

- Cofounded a mobile app that allows customers to scan a QR to view restaurant menus and place orders, eliminating the need for hand-held menus. Partnered with 60+ restaurants and 100+ locations across Toronto.
- Led team of *8* developers through requirement gathering, test phases, QA, app launch and maintenance

FETTCHTECH · CHIEF PRODUCT OFFICER   **2019 - 2020**

- Fettch is the first mobile marketplace in Toronto that allows users to shop local retailers with instant delivery
- Designed and implemented checkout UI using **Swift**; Integrated **Stripe API** endpoint for in-app purchasing

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CONTACT INFO

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- ⌮ jghori
- ✉ joshghori@gmail.com
- ☎ +1 (416) 659 4377

SKILLS

LANGUAGES
JavaScript • C++ • Python • Java
Go • Swift • Kotlin • HTML • CSS

FRAMEWORKS
React.js • Node.js • Angular.js
Express.js • Flask • Django

DATABASES
MySQL • MongoDB • PostgreSQL

TOOLS
AWS • GCP • Docker • Jenkins
• IBM Cloud • Kubernetes • Jira

CERTIFICATIONS

- Six Sigma Green Belt
- MERN Stack Development
- Udemy Docker & Kubernetes

ACHIEVEMENTS

HACK THE VALLEY
MLH 3rd place out of 76 teams

RBC VENTURES GRANT
Fettch was chosen as the recipient
from over 2000+ startups

PAYPAL INNOVATE CONTEST
2nd place out of 96 teams

SELECT PROJECTS

THE COVID CURVE
Deployed a platform for users to actively track COVID-19 cases across the globe and filter by country

POCKETCHEF RECIPE APP
Application recommends new recipes based of user's previous engagement

NBA HALFTIME REPORT
Created an application that displays and compares player and team stats across 30+ years

INTERESTS

- Photography
- Artistic Design
- Basketball