

Rohit Kaushik

SOFTWARE ENGINEER · FULL-STACK · DEVOPS

Toronto, Ontario, Canada

✉ rohit.kaushik@uwaterloo.ca | 📧 rkaushik29 | 📱 rkaushik29 | <https://rkaushik29.github.io/>

Education

University of Waterloo

Sep. 2018 - Apr. 2024

BACHELOR OF COMPUTER SCIENCE (HONORS, CO-OP)

- President's Scholarship of Distinction, Faculty of Mathematics Entrance Scholarship, Dean's Honors List (2018), President's International Experience Award, 2x Co-op Outstanding Student of the Year Nomination.
- Relevant Coursework: Operating Systems, Compilers, Theory of Computation, Algorithms & Data Structures, Combinatorics, Database Management, User Interfaces, Computer Networks, AI.

Work Experience

Staax

San Francisco, CA

SOFTWARE ENGINEER

Jun. 2022 - Jan. 2023

- Implemented **Node.js** endpoints, routes and integrated third-party APIs using **MVC** design pattern by enforcing types in **Typescript**.
- Designed and created **React Native** screens with end-to-end data flows for **Android** and **iOS** through wireframing and **AB testing**.
- Created dashboards on **AWS-CloudWatch** to monitor environment health and app data using **log queries** via **bunyan** event logger.
- Engineered **data caching** infrastructure with **AWS-Elasticache** for detailed stock data, improving multiple screen render times by **10x**.
- Developed stock categories feature end-to-end, including **Node.js** endpoints and **React Native** screens, with supporting **AWS-Lambdas** for periodic data retrieval from external APIs, and a **multi-layer-perceptron** for categorization of over 2000 stocks.
- Built user feedback feature end-to-end, including **Node.js** endpoints and an internal **React.js** website to monitor user feedback, with a **Slack API** integration for **instantaneous alerts** of endpoint malfunction on a company slack channel.
- Worked closely with Staax executives to formulate company **financials and metrics** calculation scripts for **CAC**, **lifetime value**, **DAU**, **MAU**, **churn and conversions**, and created summary reports on **Google Analytics** for investors.

MealMe

San Francisco, CA

SOFTWARE ENGINEER

Jan 2022 - May 2022

- Integrated 10+ delivery services in USA & CAN (**300,000+ stores**) for food, groceries, laundry, etc. through **Python crawlers** which improved **Series A metric** of total orderable products by **over 1 million**.
- Optimized search algorithms and compilation of search engine in **C++**, increasing speed by **64x** and adding **2 stores/second** to MongoDB.
- Partnered with 8+ **clients of our API**, continually assessed their needs and requests, added **Flask** endpoints for them to retrieve data and provided maintenance, and onboarded new clients to our API leading to **diversified revenue** streams.
- Devised compound MongoDB **database indexing** to accelerate search queries by **20%** and engineered **Django** endpoints to enable cross-communication between internal services to improve **data accuracy by 38%**, a key **Series A metric**.
- Enforced strict **data engineering** standards to improve data consistency for the MealMe-Apple Maps integration, which involved collaborating with the CEO to build a **universal product search** algorithm.

Lixar (Fuelled by BDO)

Ottawa, ON

DEVOPS ENGINEER

Jun. 2021 - Aug. 2021

- Implemented company-wide production pipeline templates for **React.js** WebApps and **React Native** apps with **Github Actions** to accelerate product launch by **75%**, using supporting **Python** scripts.
- Spearheaded client meetings to develop **AWS-CodeDeploy pipelines** with **Java SpringBoot** and springdoc for specific client products.
- Orchestrated **demo meetings** with clients for production volume and load distribution **proof-of-concepts** using **Kubernetes**.

SS&C

Toronto, ON

FULLSTACK DEVELOPER

Jan. 2020 - Apr. 2020

- Refactored the back-end code base in **Java** for the trading platform used by State Street Financial, improving readability and onboarding.
- Automated **Selenium** testing suite, which was previously assigned to freelancers, saving **\$60,000/month** since.
- Oversaw a novel **expense managing** application project at SS&C to alleviate company-wide manual expense tracking by HR, improving **HR workflows**. Coordinated the **AWS Multipart Upload** project for clients with continuous communication of business needs and **demonstrated proof-of-concepts** to top level executives (**CIO, CTO**) of T. Rowe Price.

Connect

Toronto, ON

FULLSTACK DEVELOPER

Jun. 2019 - Aug. 2019

- Migrated **React.js** webapp designs from custom styles and Bootstrap 3 to **Bootstrap 4** in even passes with **mobile-first** UI development.
- Ensured feature parity between app versions using **VueJS**, **JQuery** and **Ruby on Rails** on the backend API.
- Assisted migration to **Kubernetes** from **Docker** with thorough research on microservices.

Skills

Languages Python, C++, Java, C, Kotlin, TypeScript, Go, Ruby, SQL, GraphQL, Solidity, Bash

Technology Linux, Firebase, MongoDB, Node.js, Express, Django, Flask, React, React Native, Svelte, Vue, Three.js, Google Analytics, AWS(Lambda, S3, EC2, ElastiCache, CodeDeploy), Github Actions, Postman, Docker