

# Rohit Kaushik

BACKEND ENGINEER · FULL-STACK · DEVOPS

Waterloo, Ontario, Canada

✉ rohit.kaushik@uwaterloo.ca | 📧 rkaushik29 | 📄 rkaushik29 | 🌐 https://rkaushik29.github.io/

## Education

### University of Waterloo

Sep. 2018 - Dec. 2023

#### BACHELOR OF COMPUTER SCIENCE (HONORS, CO-OP)

- **Awards:** President's Scholarship of Distinction, Faculty of Mathematics Entrance Scholarship, Dean's Honors List (2018), President's International Experience Award.
- **Achievements:** Research Publication (5th OSSYM, CERN), 2x Co-op Outstanding Student of the Year Nomination.
- **Coursework:** Operating Systems, Compilers, Theory of Computation, Algorithms & Data Structures, Combinatorics, Database Management, User Interfaces, Computer Networks, Data Science & AI, NLP, GPU Programming, Recommender Systems, Social Media Technologies.

## Work Experience

### Research and Development Engineer

Graz, Austria

OPEN SEARCH FOUNDATION

Mar. 2023 - Jul. 2023

- Engineered conversion between ClFF and **Apache Lucene** indexes, opening the EU's OpenSearchIndex to clients for development.
- Developed a Javelin Search API in **Java** to provide customized index manipulation with the OpenWebIndex, allowing it to be monetized.
- Published a **research paper** at the **5th International Open Search Symposium, CERN**, about a prototype **React.js** web application (Tourism in Graz) to demonstrate the API.

### Software Engineer Intern

San Francisco, CA

PARROT FINANCE (PREV. STAAX)

Jun. 2022 - Jan. 2023

- Formulated **metrics calculation** scripts in **Python** with **Firebase** data, and created **data modelled** reports on **Google Analytics**, used in pitchdecks for fundraising and secured entry to TechCrunch Disrupt 2022.
- Implemented **data caching** of stock data using **AWS-Elasticache**, improving screen render time from **10s to 2s**.
- Built a user feedback system in **Node.js** and **React Native** with a slack integration to enable real-time issue alerts, **tripling WAUs**.
- Implemented **Node.js** routes and integrated third-party APIs, improving the quality of stock data and transaction throughput by **5%**.
- Created **AWS-CloudWatch** dashboards monitoring environment health and app data using **log queries**, used for resource distribution and metrics generation.
- Developed an end-to-end stock categorization feature in **Node.js** and **React Native**, with data from **AWS-Lambda** functions, **doubling user engagement** through stock exploration.

### Software Engineer Intern

San Francisco, CA

MEALME

Jan 2022 - May 2022

- Integrated data from 300,000+ stores in the USA and Canada using **Python crawlers** in **agile** sprints, increasing orderable products metric by **1 million** in food, groceries, and laundry.
- Engineered **Django** endpoints to enable communication between internal services, improving Series A metric of **data accuracy by 15%**. Created compound MongoDB **database indexes**, accelerating search queries by **10%**.
- Partnered with **API clients** and added **Flask** endpoints for them to retrieve data as per their needs. Onboarded new clients to the API leading to **20% monthly revenue** increase.
- Enforced strict **data engineering** standards through **Python** scripts monitored on **Tableau** to improve data consistency for the MealMe-Apple Maps integration, resulting in approval to integrate with Apple.

### DevOps Engineer Intern

Ottawa, ON

LIXAR (FUELLED BY BDO)

Jun. 2021 - Aug. 2021

- Implemented company-wide **CI/CD pipeline** templates for **React.js** webapps and **React Native** apps with **Github Actions** and supporting Python scripts, accelerating product launch by **5%**.
- Engineered **AWS-CodeDeploy** pipelines with **Java SpringBoot** and springdoc for a client product and led client demo meetings, reducing client expenditure by **5%**.
- Orchestrated **demo meetings** with clients for production volume and load distribution **proof-of-concepts** using **Kubernetes**.

### Fullstack Engineer Intern

Toronto, ON

INTERNATIONAL FINANCIAL DATA SERVICES

Jan. 2020 - Apr. 2020

- Automated **Selenium** testing suite with data pipelining, accelerating feature completion in **Agile sprints** by **3%**.
- Refactored back-end codebase in **Java**, enhancing employee on-boarding workflows for the trading platform used by IFDS.
- Built an expense-management app in **Python** and **React.js** with endpoints for budgeting tasks, improving quality-of-life in HR workflows.
- Engineered a new **AWS Multipart Upload** feature with **Python**, increasing data throughput and file upload speeds by **30%**.

## Skills

**Languages** Python, C++, Java, C#, Javascript, C, Kotlin, Go, Ruby, SQL, GraphQL, Solidity, Bash, HTML, CSS

**Technology** GCP, Linux, REST API, MongoDB, Git, Node.js, Django, Flask, React.js, React Native, Next.js, Google Analytics, SVN, AWS(Lambda, CloudWatch, EC2, ElastiCache, CodeDeploy), Github Actions, Postman, Docker, ElasticSearch, Kubernetes