

Rohan Jagtap

[Github](#) | [LinkedIn](#) | [Medium](#) | [Portfolio](#) | rrjagtap@uwaterloo.ca | +1(778)-316-4459

SKILLS

Languages: Java, Javascript, Python, C/C++, Rust, C#, TypeScript, Go, Swift, SQL, GraphQL

Technology: React, MySQL, Node.js, MongoDB, Flask, Docker, Kubernetes, Spring Boot, AWS, RaspberryPI

EDUCATION

University of Waterloo

Waterloo, Ontario

Honor's Bachelor of Software Engineering (BSE); GPA: 3.70

Grad 2025

Relevant Courses: Database Management, Software Engineering Principles, Data Structures & Algorithms

WORK EXPERIENCE

Nuclear Promise X | *Nuclear Software Engineer (Incoming)*

Toronto · Sept 2023 - Present

- Incoming Software Engineering Intern on the Products team to pave a future for renewable nuclear energy!

Banter.ai | *Software Engineer*

Remote · May 2023 - Aug 2023

- Boosted system performance of voice-cloning chatbot by transitioning to **GPT-3.5 Turbo** integration that reduced response times by **35%** and achieved a **30%** increase in concurrent user capacity
- Streamlined payment processing with **Stripe**, reducing manual payment processing time by **15%** and leading to a **20%** increase in conversion rate for users upgrading their payment methods
- Implemented chat functionality on the homepage that resulted in a **40%** increase in user engagement and a **25%** longer average session duration that led the website to **100k+** users after the launch

KPMG | *Data Analyst Intern*

Toronto · Jan 2023 - Apr 2023

- Ran NLP algorithms using **NLTK** library over web-scraped data collected with **Python** and developed a data processing pipeline using **Python** and **Bash** scripts to increase data analysis speed by **30%**
- Developed **Cloud Backend Infrastructure** using **Microsoft Azure**, **Databricks**, and **SQL** to create an internal tool with **125+** users to analyze client data using **Python**, **Alteryx**, and **PowerBI** that drove data analytics for projects worth **\$10,000+**

Wat Street | *Quantitative Developer*

Waterloo · Apr 2023 - Present

- Investigated pairs-trading strategies and mean-reversion statistical arbitrage using **Python**, **NumPy**, and **Pandas** that achieved a **40%** reduction in portfolio risk
- Cleaning **1000+GB** of **SAS** stock data using **Python**, **Pandas**, and **Javascript** hosted on **AWS S3**

Royal Bank of Canada | *Software Engineering Intern*

Toronto · May 2022 - Aug 2022

- Developed **REST APIs** for an internal tool with **Spring Boot** & **GraphQL** to facilitate communication to **MongoDB** database that led to an increase in **insights speed** by **7%** during client interactions
- Completed **95%+** test coverage for unit test and end-to-end tests using **JUnit**, **Mockito**, and **Postman**

ScanAI | *Lead Engineer*

Vancouver · Dec 2020 - Sep 2021

- Launched document storage app for **250+ students** synthesizing front-end with **Swift** and **CocoaTouch** framework utilizing **Firebase APIs** for user authentication, storing and retrieving sensitive documents, and **Firebase Cloud** for push notifications and real-time synchronization
- Implemented optimization techniques such as **Lazy Loading**, **Background Fetching**, and **Data Caching** to minimize network requests and enhance operation speed by **19%**

Interests: Juggling, Sound Engineering, Music Recording/Production, Weight Resistance Training, Guitar, Comedy (Dad Jokes)