ARYAN THATTE

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EDUCATION

University of Waterloo Waterloo, Canada

Bachelor of Computer Science *Sep 2020 – Apr 2026*

- Relevant Coursework: Data Structures, Algorithms, Object Oriented Programming (C++), CPU Architecture
- Awarded President's Scholarship of $2000

EXPERIENCE

Software Engineer May 2024 - Aug 2024

Wealthsimple *Toronto, Canada*

- Spearheaded the product development of using **SMS** as a new channel for concurrently notifying **millions of clients** for marketing promotions, boosting user satisfaction regarding notifications to **98.63%**
- Developed a fallback solution to **reroute push notifications** as emails in **Ruby on Rails**, in the case 3rd party vendors are having an outage, ensuring clients are notified of critical events at all times
- Created a clawback feature in **Ruby** for customer support to manually track and undo automated events upon client request, decreasing CX toil by **60%**
- Optimized the notification's **Postgres** database by indexing frequently used data, decreasing latency by **45%** during stock market open

Software Engineer Jan 2023 - Dec 2023

Intuit *Toronto, Canada*

- Architected and developed **5 API endpoints** written in **Python** to increase performance by **5x** by periodically fetching and storing translated data using **Celery** from WorldServer to a **PostgreSQL** database
- Programmed a draft feature within a microservice written in **TypeScript** for users to save content in an **AWS SNS queue** before publishing, using **Splunk** for querying and **Jenkins** to assess pipelined integration tests
- Designed and deployed a **health check endpoint** to monitor a **7-part microservice** architecture, which updates the system's status every 30 minutes and posts logs on **Splunk**

Front End Software Developer Sep 2022 – Dec 2022

Overmap.ai *Toronto, Canada*

- Implemented and shipped a workspace feature written in **TypeScript** with **React** which allows users to partition issues in different sections and collaborate live, **improving the user engagement** by more than **200%**
- Increased usability for users by **4.8x** by providing search and filtering functionality to streamline prioritized issues and stories that provide further insight for specific regions
- Improved user experience ratings by **1.4x** by designing and creating a markup editor within the web app for users to upload attachments and draw on top of images

Full Stack Developer Jan 2022 – Apr 2022

Flybits *Toronto, Canada*

- Created a modern UI with **React** and **Typescript** that marketers in banks and other financial institutions (TD, Mastercard, etc.) use to automate notifications and content to their customers, **increasing engagement by 2.5x**
- Created integration testing and unified it with a **Jenkins** pipeline to assess solutions for patched bugs, improving developer efficiency by **75%**
- Improved and refactored back end services written in **Go** which send and receive requests to trigger push notifications to mobile devices

Cloud Consulting Software Developer May 2021 – Aug 2021

Deloitte *Toronto, Canada*

- Deployed over **300 applications** onto cloud platforms such as **Google Cloud Platform** and **Azure**, saving clients **$400k over 3 years**
- Developed a maintenance task in **Python** to detect developers' work patterns with their movement and activity, increasing **work efficiency by 20%**

PROJECTS

Barista Bot — Intuit Hackathon | *Python, Flask, OpenAI API, React, Typescript, Node.js*

- Coded a Slack bot which uses **OpenAI's ChatGPT-4** to interact and collect beverage orders from employees

i4Noi — McHacks7 – 3rd Place | *Python, Google Assistant, Vision AI, Raspberry Pi*

- Built an **IoT** product that aids the visually impaired by alerting surroundings with ultrasonic sensors and won **3rd place among 500+ participants**

TECHNICAL SKILLS

Languages: TypeScript (TS), JavaScript (JS), Python, C++, Ruby, SQL, Java, C#, C, R, Go (Golang), HTML, CSS

Tools / Frameworks: Git, React, Node.js, Datadog, Ruby on Rails, Redis, Django, Postman, AWS, PostgreSQL, Flask, Splunk, Firebase, Jenkins, Celery, Vision AI, OpenCV