Ashish Selvaraj

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EDUCATION

University of Waterloo: Bachelor of Computer Science — 09/2020 - 04/2025
Wilfrid Laurier University: Bachelor of Business Administration — 09/2020 - 04/2025
Awards: Apple Swift Student Challenge Winner, Pepsico Elevator Pitch Semi-finalist, Math Entrance Scholarship

EXPERIENCE

Software Engineering Intern (Data Ingestion) — 01/2023 - 04/2023
theScore Media — *Toronto, Canada*

- Worked on sports data ingestion and data processing to deliver real-time alerts to **20M+** sports fans.
- Significantly increased uptime and maintainability in a critical system that ingested real-time soccer data (scores, shootouts, etc.) by breaking up a legacy Python monolith into parallelized and loosely-coupled **Elixir** workflows.
- Achieved **100%** availability during migration by proactively monitoring dashboards and ensuring data integrity.

Software Engineering Intern (APIs) — 01/2022 - 04/2022
Loblaw Companies — *Brampton, Canada*

- Developed and delivered a versatile **Java** Spring Boot API a **month** in advance which was used in **4+** initiatives.
- Empowered the team to tackle multiple projects concurrently by streamlining their requirements into parameterized flexible queries accessible through the REST API which could be called by clients with parameters as desired.
- Accelerated several observability projects designed to give other teams and senior management insight into supply-chain data for **2,400+** grocery stores by allowing clearly scoped access through the API and queries.

DevOps Intern — 05/2021 - 08/2021
Thomson Reuters — *Toronto, Canada*

- Slashed deployment time by **50%** and added the ability to re-run failing stages by replacing a Powershell script with a **CI/CD** pipeline written in YAML to build, test and package a large legal application in **Azure** DevOps.
- Minimized incident response time by adding priorities to **300+** monitors in Datadog after meeting stakeholders and writing a Python script that updated monitors through the Datadog Monitors API and Synthetic Monitors API.

Software Developer — 09/2022 - 04/2023
UW Computer Science Club — *Waterloo, Canada*

- Improved membership purchasing experience by alerting users when the office opened with a **Typescript** job.
- Diversified the Discord bot's selection of games by developing a game of Connect 4 for members to play against it.

PROJECTS

Not Evil Sudoku ⌘ | *Swift, SwiftUI, Node.js, DynamoDB, AWS Lambda*

- Designed and developed a clean, minimalist Sudoku app with over **100,000+** installs and **450+** 5-star reviews.
- Gained insights on user behaviour and puzzle quality by building a custom analytics system in Node.js that processed and archived data which was deployed on **AWS Lambda**, storing data in DynamoDB.

Rosetta Glass ⌘ | *Mindlink, Cockroach DB, Cohere, GCP, AWS*

- A language learning application that used **eye-tracking** to detect when the user was stuck on a word and providing real-time translations in an overlay to the side, utilizing algorithms to get the word and process context.
- The application shared data to an API hosted on AWS so users could review the words they were stuck on later.

SKILLS

Languages: C, C++, JavaScript, Swift, Elixir, Java, SQL
Technologies: Node.js, Express.js, Spring, React, SwiftUI, MongoDB, DynamoDB
Platforms/Tools: Amazon Web Services (EC2, Lambda), Azure, Google Cloud, Linux, Jenkins