

# ARYAMAN SINGH

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## SKILLS

**Languages:** JavaScript (TypeScript), Python, Ruby, Java, C++, C, HTML & CSS

**Tools:** React, NodeJS, Ruby on Rails, GraphQL, Azure, GCP, AWS, MySQL, Postgres, Jenkins, Terraform, Unix, Git

## EDUCATION

**Computer Engineering, University of Waterloo (GPA: 3.9)**

**Sep 2019 - Apr 2024**

**Awards:** 4x Term Dean's Honors List (2019 - 2022), Ontario Professional Engineers Scholarship (2022), 2x Engineering International Scholarship (2020 - 2021), President's Scholarship of Distinction (2020)

**Relevant Coursework:** Algorithms & Data Structures (99%), Systems Programming & Concurrency (94%), Real Time Operating Systems (92%), Fundamentals of Programming (100%), Numerical Methods (94%)

## WORK EXPERIENCE

**Relay Platform**

**Jan 2022 - Apr 2022**

*Software Developer*

*Toronto, ON*

- Created a **data-ingestion platform** for insurance firms using **React (TypeScript)** and styled-components to reduce onboarding time by increasing ingestion rate of new insurance applications by **100x**.
- Engineered an **AWS Lambda pipeline** to sanitize and analyze insurance data using **NodeJS & Terraform**.
- Implemented a lite version of the original Relay product using **Ruby on Rails** with lower costs to attract smaller clients to the company.

**Versett**

**May 2021 - Dec 2021**

*Full Stack Product Engineering*

*Toronto, ON*

- Architected visual components and backend for a medical mobility device company using **React, GraphQL** and **Strapi** working with the design team to ensure WCAG accessibility throughout the app. [[motioncares.ca](https://motioncares.ca)]
- Overhauled UI, database, and authentication features for a digital-only insurance product using **Node.js and React**, launching the app in Barbados to **1000+ customers**. [[almi.bb](https://almi.bb)]
- Created a **generic framework** for reusable flows, components & databases to reduce delivery times and initial developer overhead for new projects at Versett.

**Telus**

**Sep 2020 - Dec 2020**

*Software Developer*

*Cambridge, ON*

- Spearheaded implementations of new frameworks and functional testing using **Python** (Robot Framework), **reducing regression testing time** for new releases by **50%** (from 2 weeks to 1 week).
- Automated nightly testing suites on **Jenkins** to support dev team with stability issues & bugs in 3 separate medical record applications.

**PointClickCare**

**Jan 2020 - Apr 2020**

*Software Engineering*

*Mississauga, ON*

- Designed a load testing application using **Apache JMeter** for a **Microsoft Azure** pipeline, responsible for ingesting and storing changes made to patient health records and prescriptions.
- Implemented **100+** automation tests and bug fixes using **Java** and **JSP** (ZK Framework), increasing automation coverage by **5x** (from 15% to 75% of the application).

## PROJECTS

**HeimWallet, HackThe6ix** 


**Aug 2022**

- Created a digital wallet and payment verification system for Alzheimer's patients using **React Native**, **Python (Flask)**, **Twilio**, and **Google Maps API**; won **1st place** at the hackathon out of 70+ submissions.

**Real Time Operating System in C**

**Apr 2022 - Aug 2022**

- Implementation of dynamic memory management, inter-task communication and real-time scheduling on a **Keil MCB1700 board** with an NXP LPC1768 Microcontroller.

**SignTube, QHacks** 

**Jan 2022**

- Designed and implemented a 2-way communication system for American Sign Language using **React**, **Figma**, **Python (Flask)** and **Google Computer Vision**; won **3rd place** at the hackathon.