

# ARYAMAN SINGH

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[www.aryamans.me](http://www.aryamans.me)

## 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 // Konrad Group Digital Innovation Scholarship // Jim Kalbfleisch Award

Ontario Professional Engineers Scholarship // 2x Engineering International Scholarship

## WORK EXPERIENCE

### Tesla

**Jan 2023 – Present**

*Software Engineer – Firmware Platforms*

*Palo Alto, CA*

- Developing infrastructure platforms for firmware and autopilot projects at Tesla using **Python, Ruby on Rails** and **Jenkins**.

### 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.

## 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.