ARYAMAN SINGH

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SKILLS

Languages: JavaScript, TypeScript, Python, Ruby, Java, C++, C, HTML, CSS
Tools: React, NodeJS, Rails, GraphQL, Azure, GCP, AWS, MySQL, Postgres, Jenkins, Terraform, Unix, Git

EDUCATION

Computer Engineering (BASc), University of Waterloo (GPA: 3.9)   **Sep 2019 – Apr 2024**
Awards: 4x Term Dean's Honors List // 2x Engineering International Scholarship //
Konrad Digital Innovation Scholarship // Jim Kalbfleisch Award // Ontario Professional Engineers Scholarship

WORK EXPERIENCE

Tesla   **Jan 2023 – Apr 2023**
Software Engineer – Firmware Build   *Palo Alto, CA*
- Overhauled firmware infrastructure by making CI builds more configurable and performant through JSON Support using **Python, Ruby on Rails** and **Jenkins.**
- Implemented specific build exclusions in **Python** to allow developers to specify vehicle components to be built per build, thus reducing Jenkins job times by **25%**.

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 core product for smaller clients using **Ruby on Rails** with lower cost.

Versett   **May 2021 – Dec 2021**
Full Stack Product Engineering   *Toronto, ON*
- Architected visual components for a medical mobility device company using **React, GraphQL** and **Strapi** working autonomously with the designers to ensure accessibility across the app. *[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]*

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 *[www.devpost.com/software/heimwallet]*   **Aug 2022**
- Created a digital wallet and payment verification app for Alzheimer's patients using **React Native**.
- Implemented a **Python Flask** backend server with **Twilio** notification and **Google Maps API** location support
- Won **1st place** & Wealthsimple Challenge at the hackathon out of 70+ submissions.