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

WORK EXPERIENCE

Software Developer, Relay Platform   **Jan 2022 - Apr 2022**

- 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 **JavaScript** & **Terraform.**
- Implemented a lite version of the original Relay product using **Ruby on Rails** with lower costs to attract smaller clients to the company.

Full Stack Product Engineer, Versett   **May 2021 - Dec 2021**

- 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]*
- 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]*
- Created a **generic framework** for reusable flows, components & databases to reduce delivery times and initial developer overhead for new projects at Versett.

Software Developer in Test, Telus   **Sep 2020 - Dec 2020**

- 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.

Software Engineer, PointClickCare   **Jan 2020 - Apr 2020**

- 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 **5 times.**

ACTIVITIES & 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.

Technical Director, Waterloo Engineering Competition   **Apr 2022 - Aug 2022**

- Directed and organized university-wide competition which hosts 50+ engineering students taking part in various design, bioengineering, robotics and programming challenges.

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.

Strategy Team Member, Midnight Sun Solar Car Team   **Jan 2021 - May 2021**

- Spearheaded new features using **Python** & **Dash** for a portal that tracks the solar racing car's route using Leaflet's location services; experimented with database storage for location data using **MySQL.**

EDUCATION

Computer Engineering, University of Waterloo (CAV: 91.68%)   **Sep 2019 - Apr 2024**

Awards: 4x Term Dean's Honors List (2019, 2020, 2021, 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 - MATLAB (94%)