ARYAMAN SINGH

Looking for 2023 Internships

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SKILLS

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

EDUCATION

Computer Engineering, University of Waterloo (3.9 GPA)   **Sep 2019 - Apr 2024**
Achievements: Term Dean's Honors List (2019, 2020, 2021), Ontario Professional Engineers Scholarship (2021), Engineering International Scholarship (2019, 2020), President's Scholarship of Distinction (2019)
Relevant Coursework: Algorithms & Data Structures (99%), Systems Programming & Concurrency (94%), Real Time Operating Systems (92%), Fundamentals of Programming (100%), Numerical Methods (94%)

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 to 10,000+ insurance applications per minute
- Engineered an AWS Lambda pipeline to sanitize and analyze insurance data using **JavaScript** and *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 pages for a medical mobility device company using **React,** *Sass* and *GraphQL*, 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 app by following requirements provided by the client, and designs provided using *Figma* [**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, Telus   **Sep 2020 - Dec 2020**
- Implemented new frameworks and functional testing using **Python** and *Robot Framework*, reducing regression testing cycle for new releases from 2 weeks to 1 week
- Automated nightly regression runs 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 50+ automation tests and bug fixes using **Java** and *ZK Framework*, increasing automation coverage of the application by 5 times
- Demonstrated Azure Event Hubs & JMeter Load Testing to Senior Developers at PCC for use in other projects

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** *(create-react-app)*, **Figma**, *Material UI*, *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** & *dbDeployer*