

ARYAMAN SINGH

Looking for Winter '23 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 (92% CAV)

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

- Creating 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
- Developing an AWS Lambda pipeline to sanitize and analyze insurance data using **Javascript** and **Terraform**
- Creating 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]
- Implemented 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
- Presented research on management of Event Hubs, Azure Portal and JMeter load testing to scrum team and senior software engineers interested in implementing cloud technology in other projects at PointClickCare

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

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

SignTube, QHacks



Jan 2022

- Designed a 2-way communication system for deaf and mute people 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

- Implemented 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**