ARYAMAN SINGH

Computer Engineering, University of Waterloo

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WORK EXPERIENCE

Software Developer, Relay Platform (Ongoing)   Jan 2022 - Apr 2022
- Creating a data-ingestion platform for insurance firms using *React (Typescript) and styled-components* to reduce onboarding time by allowing ingestion of 10,000+ records per minute
- Developing an AWS Lambda pipeline to sanitize and analyze data using *JS*, *Terraform* and *Serverless*
- Creating a *lite* version of the 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 an accessibility services web app 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.com*]
- Created a generic framework for reusable flows, components & DB for new projects to reduce delivery times

Software Developer, Telus 🔗   Sep 2020 - Dec 2020
- Implemented new frameworks and functional testing using Python and Robot Framework, reducing regression cycle for new releases from 2 weeks to 1 week
- Maintained nightly regression runs on Jenkins to support dev team with stability issues & bugs in the application
- Managed communication between members of QA and Automation team during project discussions & presentations

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 automation tests and bug fixes using Java and ZK Framework, increasing automation coverage 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

ACTIVITIES

Co-ordinator, ECE Society   April 2021 - September 2021
- Organized and helped set up resume critiques, social events, game nights, and interview prep sessions for engineering students across the university

Strategy Team Member, Midnight Sun Solar Car Team   Jan 2021 - May 2021
- Implemented new features using *Python* & *Dash* for a front-end web app that tracks the solar car's route using Leaflet's location services; experimented with database storage for the car using *MySQL* & *dbDeployer*

PROJECTS

SignTube, QHacks 🔗   September 2020
- 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

Covid Wallet, Borderhacks 🔗   September 2020
- Developed a web app to enable cross-border communication of COVID positive status for citizens of border cities using *React*, *Material UI*, and *GCP Firebase*, winning a sponsor award at the hackathon

Selection Panel, Ada Apps Hackathon 🔗   August 2020
- Built an interactive selection app to make it easier for customers using the Ada Chatbot to make user selections using *Materialize CSS*, *HTML* and Vanilla *Javascript*; won 2nd place at the hackathon

EDUCATION

Computer Engineering, University of Waterloo (92% CAV)   2019-2024
Awards: Term Dean's Honours List (2019, 2020, 2021), Ontario Professional Engineers Scholarship (2021), Engineering International Scholarship (2019, 2020), President's Scholarship of Distinction (2019)