

ARYAMAN SINGH

Computer Engineering, University of Waterloo

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SKILLS

Programming Languages: Javascript, Java, Python, C++, HTML & CSS

Tools & Frameworks: React, GraphQL, Spring, Azure, GCP Firebase, MongoDB, MySQL, Postgres, Jenkins, Git

WORK EXPERIENCE

Full Stack Product Engineer, Versett

May 2021 - Present

- Architected reusable components for an accessibility services web app using *React* [motioncares.ca]
- Simplified admin control of users and permissions by adopting *Strapi* and *GraphQL* into React App
- Developed authentication features for user verification for an insurance app using DocuSign API [alimi.com]
- Created a generic framework for reusable repositories & libraries for new projects to reduce delivery times

Software Developer, Telus Health

Sep 2020 - Dec 2020

- Reduced regression cycle from 2 weeks to 1 week by identifying key areas in launch & testing pipelines that can be automated using *Python* & *Robot Framework*
- Re-engineered and maintained nightly regression runs on *Jenkins* to better identify and report bugs

Software Engineer, PointClickCare

Jan 2020 - Apr 2020

- Designed load test using *Apache JMeter* for a *Microsoft Azure* pipeline, responsible for ingesting and storing changes made to patient records
- Increased security coverage 5x by implementing auditing features, automatic tests, and major bug fixes using *Java (Spring)* & *ZK Framework*

ACTIVITIES & PROJECTS

Strategy Team Member, Midnight Sun Solar Car Team

Jan 2021 - May 2021

- Implemented location tracking features using *Python* & *Dash* for a real-time dashboard that tracks location of solar car
- Investigated database architectures for embedded systems in the solar car using *MySQL* & *dbDeployer*

Covid Wallet, Borderhacks

September 2020

- Developed a web app to enable global verification of COVID status for citizens of border cities using *React*, *Material UI*, and *GCP Firebase*; won an award at the hackathon

Selection Panel, Ada Apps Hackathon

August 2020

- Built and presented market research on a *Javascript* selection app which made it easier for users to make selections while using the Ada Chatbot; won 2nd place at the hackathon

EDUCATION

Computer Engineering, University of Waterloo (3.98 GPA)

2019-2024

Term Dean's Honours List, Engineering International Scholarship & President's Scholarship of Distinction

Activities: ECE Society Coordinator, Waterloo Engineering Competition '20 Volunteer, HackTheNorth Volunteer

Relevant Courses: Algorithms and Data Structures - 99%, Fundamentals of Programming - 100%