

# ADITYA RAJ

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## Skills

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**Languages:** C, C++, Java, HTML, CSS, Python, JavaScript, SQL

**Frameworks/Other Technologies:** React, React-Native, Node, Express, MySQL, MongoDB, Git, Postman, JUnit testing

**DevOps Technologies:** AWS, Terraform, Docker, CircleCI, SumoLogic

## Relevant Experience

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### D2L

January 2022 – April 2022

Incoming Software Developer Co-op

Remote

### RBC Ventures

September 2021 – December 2021

Automation Developer Co-op

Remote

- Contributed to a new release for an internal infrastructure as code(IaC) tool that allows ventures to deploy and customize their cloud infrastructure easily. Terraform, AWS, Docker and CircleCI was used.
- Helped ventures to upgrade to new releases for the internal IaC tool which allows ventures to build cloud infrastructure with more secure services. Used Git, resolved merge conflicts and issued PR's for different ventures repositories.
- Worked with AWS console to test solutions using Elastic Container Service, CloudWatch, EC2 and SumoLogic.

### ZenHQ

July 2020 – August 2021

Web and Mobile Developer

Remote

- Worked in an AGILE/SCRUM environment to develop a front-end code-base from scratch and created responsive features using the companies API to display data in various ways. Used React, Redux, Materials-UI.
- Created a micro service from scratch to help with customization for forms. Used Node, Express, MongoDB, Postman, Jest and SuperTest.
- Worked on the company's mobile application for iOS/Android to update class based components into functional components using React-Native.

## Projects (see more on my website)

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### Sorting Algorithm Visualizer | Java

- Developed a visualization tool to display common sorting algorithms such as insertion, bubble, selection, quick, and merge sort.
- Used Java Swing and Java AWT to help with the visualization and GUI components for the project.

### REST API | Node, Express, MongoDB

- Created a RESTful API with authentication and authorization using JWT (JSON Web Token).
- Implemented user login and registration functionality and storing data securely with the use of BCrypt to hash sensitive information .
- Testing API requests with Jest, SuperTest and Postman, along with hashing important data such as passwords.

## Education

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### University of Calgary

Sep. 2018 – May 2023

Bachelor of Science in Software Engineering

Calgary, Alberta

### GPA: 3.3/4.0

Relevant Coursework: Data structures and algorithms, Principles of Software Development(OOP), Operating Systems, Database Management, Computer Networks System Architecture, Software Requirements, Software Testing, Reliability and Quality

## Leadership / Extracurricular

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### Shulich Ignite

Mentor/Volunteer

- Teach high-school students the fundamentals of programming using Python to help them build games and grasp important programming concepts.

### Project 90

Team Lead

- Working with a team to build small vehicles for children with disabilities which will allow them to improve mobility and being able to play with other children easily.

## Engineering Leadership Program

Graduate

- Completed 3 tiers learning leadership skills such as effective communication, time management, successful networking, situational leadership, project management, engaging a diverse team and much more.