Randeep Singh

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Education

BACHELOR OF SCIENCE | MAY 2023 | CLARKSON UNIVERSITY

- Major: Computer Science
- Minor: Mathematics

Skills & Abilities

JAVASCRIPT/TYPESCRIPT – WORK & COURSEWORK EXPERIENCE

PYTHON/JAVA – COURSEWORK EXPERIENCE

AWS CDK – WORK EXPERIENCE

EVENT-DRIVEN ARCHITECTURE - WORK EXPERIENCE

REACT/REACT NATIVE – WORK & COURSEWORK EXPERIENCE

UNIT TESTING/CODE COVERAGE - WORK EXPERIENCE

MONGODB - WORK EXPERIENCE

SQL/MYSQL – COURSEWORK EXPERIENCE

Experience

SOFTWARE ENGINEER | GREEN ACTION STUDIO | MAY 2022 – AUGUST 2022

- Migrated back-end systems to utilize event-driven architecture using Amazon Cloud Services
- Developed & integrated new features into client-focused applications
- Increased code coverage by developing unit tests

Projects

CHARGEPORT MOBILE | GREEN ACTION STUDIO | REACT NATIVE/TYPESCRIPT/AWS CDK/TAILWIND

- Implemented a new event-driven backend that uses AWS services, such as Lambda, EventBridge, & Cloudformation to communicate with the external API.

EXTERNAL API | GREEN ACTION STUDIO | AWS CDK/TYPESCRIPT/NODEJS/KAFKA

- Using Lambda, State Machines, Kafka, & MongoDB, implemented a new external API platform for mobile application and internal admin tools to utilize. Implemented Auth0 authentication between API and the client-focused applications. Integrated Avro schema validation between API & Kafka.

PERSONAL WEBSITE | AWS/JAVASCRIPT/NODEJS

- Used a S3 bucket to host a personal website with a custom domain. Developed statically generated web pages using the Hugo platform. Added web certificates and HTTPs authentication to protect the website from cyber attacks.