Prashul Shrestha

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Education

Bs. of Computer Science / St. Cloud State University (SCSU), MN   May 2021

COURSEWORK: Object-Oriented Software Design (T.A), Database Theory & Design, Systems Programming, Computer Network, Mobile App Dev I & II (L.A), Software Engineering I & II, Operating Systems;

Work Experience

Jr. Full-Stack Developer (Co-Op)/ Medtronic, MN   June – Present
- Incorporated Material UI to redesign the webstie which improved the time on page for the user by 6 mins.
- Built resuable intelligent search functionality for 1GB+ Json files leading to an increase in efficiency by 22%.
- Optimized company's complaint handling process by creating and delivering efficient app-based solution.

Tools: VueJS, VueRX, PostgreSQL, PostgresAPI, Node.js;

IT Innovation & Developer / SCSU   Oct – May 2021
- Incorporated intents for university's Alexa Skill using AWS Lambda functions used by 5000+ students.
- Improvised response time of Alexa by 12% by optimizing node functions and database caching.

Tools: AWS, Lambda Function, DyanamoDB, S3 Bucket, Node.js

Software Engineer Intern / Royal Bank of Canada WM, Minneapolis   June – Aug 2020
- Developed and deployed an automated release notes tool to increase productivity by 75% in diagnosing modifications & errors in the internal web-services.
- Hands-on experience with JDBC SQL database queries & full software development life-cycle.
- Implemented 96% coverage unit tests with Junit to deploy production-quality and scalable applications.

Tools: IntelliJ, Java11, JUnit, Microsoft SQL, Gradle, Jenkins

Software Developer Intern / GeoComm Inc., St. Cloud, MN   May – Aug 2019
- Implemented UI features to customize the web dashboard which increased customer satisfaction by 25%.
- Worked independently to understand requirements and deliver results aligned with project goals.
- Gained exposure to sprint-based Agile project planning and delivery process.

Tools: Angular 8, HTML5/CSS, Python, .Net C#, AWS

Skills

- Java • C/C++/C# • Python • HTML/CSS • Angular/VueJS/React • Node.js • REST API • SQL/NoSQL • JavaScript/Typescript • AWS/Google Cloud • Android Studio • Git/GitHub • LINUX

Project

EXPENSE TRACKER | PROJECT LINK – AUG 2020

A full-stack web application to track expenses. Consumes RESTful microservices in SpringBoot with MySQL on the back-end, and Angular on the front-end while building database schemas & accessible APIs. Tools: Angular 8+, Spring Boot (JAVA), MySQL (RDMS), HTML5/CSS.

Involvement

President/Vice-President, Computer Science Club | SCSU   May 2019 – Dec 2020
Computer Science Tutor | SCSU   Aug 2019 – Dec 2020