Sai Sreekar Siddula

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Summary

Dynamic and result-oriented Engineer with a proven track record of delivering high-quality projects within short turnaround times. Equipped with expertise in planning, designing, and executing frontend applications, I excel in creating performant and responsive websites in React and Angular.

Skills

- Programming languages: Javascript, Typescript, Python
- Web Technologies: React, Angular, Express, JPA, Mongo, MySQL, Node, jQuery, UX, Figma, gRPC, REST
- Libraries: Redux, MUI, Bootstrap, Mock Service Worker, RxJS, ES6, npm, webpack
- Testing: React Testing Library, Enzyme, Jest, Sinon, Mocha, pytest, python unit test, Junit, Selenium, Robot
- CI/CD: Git, Docker, Gitlab, Bitbucket, Heroku

Work Experience

Ductus Inc.

Software Engineer II   **June 2021 - Present**

- Delivered 10+ projects in React and Angular for a client to help with network automation
- Collaborated with cross-functional teams to plan and design applications, providing frontend insights and translating requirements into Figma wireframes
- Integrated the UX design lifecycle, ensuring user-friendly applications and optimizing development time through better requirements gathering, user flows, and usability testing
- Spearheaded discussions to determine frontend architecture, select optimal patterns and libraries for efficient development
- Advocated for better testing practices and trained new developers in utilizing frameworks such as Testing Library, Enzyme, Jest
- Onboarded and mentored new team members, integrating them into projects and sharing knowledge through code reviews and pair programming to enhance code quality
- Updated our development lifecycle with tools like Swagger mock server, GitHub Copilot, and Figma developer mode, reducing development time

Software Engineer Co-Op   **May 2020 - Dec 2020**

- Built an internal CLI tool aimed at automating generation of CloudFormation templates utilized for deploying AWS cloud resources efficiently
- Engaged in feature development with frontend team on multiple Angular projects, contributing to the creation of various components with Bootstrap for enhanced user experience
- Developed reusable web components in VanillaJS tailored to meet client requirements, ensuring compatibility and versatility across different application frameworks

Education

Northeastern University   **Sept 2019 - May 2021**
Master of Science in Computer Systems Engineering   GPA: 4
Coursework: Web Development, Foundations of AI, Data mining techniques, UX Desgin

Shiv Nadar University   **Aug 2014 - May 2018**
Bachelor of Technology in Electronics and Communication Engineering   GPA: 3.7
Minor in Computer Science Engineering
Coursework: Computer Networks, Computer Architecture, Data Structures, Object Oriented Programming

Projects

Web Application for Learning Management System   **March 2020**
Tools: React, Redux, Angular, JPA, Express, MySQL, Mongo, Heroku

- Developed a Learning Management System (LMS) for students and instructors, deployed on Heroku
- Built instructor version using React, JPA, and MySQL, and student version with Angular, Express, MongoDB

Creating AI Players for Sushi Go game   **April 2021**
Concepts: Minimax, Alpha-Beta Pruning, Q Learning, Q Learning with Linear Function Approximation

- Created AI players using algorithms such as Minimax, Q learning to play the Sushi Go game
- These agents played against Rule-based and Random players. The agents were trained extensively and the performance of each agent at different stages of training was closely studied