

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 full-stack apps, I excel in creating performant and responsive websites in React and Angular, alongside backend technologies like SpringBoot and Express.

Skills

- **Programming languages:** Javascript, Typescript, Python, Java
 - **Web Technologies:** React, Angular, Express, JPA, Mongo, MySQL, Node, jQuery, UX, Figma, gRPC, REST
 - **Libraries:** Redux, Next.js, Material UI, Bootstrap, Mock Service Worker, RxJS, ES6, npm, webpack, D3.js
 - **Testing:** React Testing Library, Enzyme, Cypress, Jest, Sinon, Jasmine, pytest, py unit-test, Junit, Selenium, Robot
 - **CI/CD:** Git, Docker, Gitlab, Bitbucket, Heroku, Agile, Azure DevOps
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Work Experience

Ductus Inc.

June 2021 - Present

Software Engineer II

- Led multiple frontend projects for a telecom client, collaborating with their internal automation team to modernize their legacy stack. Managed the full development cycle from **requirements gathering** to deployment and user testing
- Delivered over 10 projects in **React** and **Angular**, integrating the UX design lifecycle for user-friendly applications. Worked with cross-functional teams, translating requirements into **Figma** wireframes
- Spearheaded discussions on frontend architecture, optimizing patterns and libraries. Reduced turnaround time by 33%, delivering a large multi-page app in 4 months instead of the projected 6 months, by leveraging optimized architecture
- Collaborated on **Python microservices** to support the Backend-for-Frontend (BFF) layer, which creates **gRPC** APIs for frontends and other automation scripts to retrieve and update network information, ensuring efficient data handling
- Advocated for better testing practices and trained new developers in **Testing Library**, Enzyme, **Jest**. Implemented a comprehensive testing strategy, ensuring test coverage of 90% across apps, resulting in 30% reduction in reported bugs
- Onboarded and mentored new team members, enhancing code quality through reviews and pair programming
- Updated our development lifecycle with tools like **Swagger** mock server, GitHub Copilot, and Figma developer mode, reducing development time by 20% and improving efficiency
- Designed and developed a custom **Material UI**-based component library that is used across 7 projects, reducing development time for new features by 30% and ensuring consistent UI/UX

Software Engineer Co-Op

May 2020 - December 2020

- Built an internal **CLI** tool aimed at automating generation of CloudFormation templates, cutting down deployment time for AWS cloud resources by 40%
 - Developed a **Python** server that provides RESTful interfaces for CRUD operations to automate infrastructure deployment of test instances using **MVC** architecture, ensuring modularity and ease of maintenance
 - Engaged in feature development with frontend team on multiple **Angular** projects, contributing to the creation of various components with **Bootstrap** for enhanced user experience
 - Created a suite of **VanillaJS** web components used across 5 different client projects, decreasing code duplication by 10% and improving cross-framework compatibility
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Education

Northeastern University

September 2019 - May 2021

Master of Science in Computer Systems Engineering

GPA: 4.0

Coursework: Web Development, Foundations of AI, Data mining techniques, UX Design

Shiv Nadar University

August 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
- Faculty side: React with Redux for state management; Java REST and JPA handle server and MySQL database
- Student side: Angular for UI; Node.js/Express for REST services; MongoDB with Mongoose for data access