# Sai Sreekar Siddula

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## Skills

- **Programming languages**: JavaScript, TypeScript, Python, Java
- **Frontend**: React, React Native, Angular, Node, jQuery, UX, Figma, Balsamiq, Tailwind, Vite
- **Backend & Databases**: Microservices, SpringBoot, JPA, Express, REST, gRPC, protobuf, MySQL, Mongo, Redis
- **Libraries**: Redux, react-query, GraphQL, Next.js, Material UI, Bootstrap, MSW, RxJS, ES6, npm, webpack, D3.js
- **Testing**: React Testing Library, vitest, Playwright, Enzyme, cypress, Jest, Sinon, Jasmine, pytest, Junit, Selenium
- **CI/CD**: Git, Docker, GitHub, Gitlab, Bitbucket, GCP, Heroku, Agile, Azure DevOps, bun, Zod, biome

## Work Experience

**Branding Brand Inc.**                                                                                     **February 2025 - Present**
*Senior Software Engineer*

- Contributing to the modernization of CVS Health's legacy Java-based pharmacy application used across 10,000 stores nationwide by helping rebuild core workflows in **React**, enhancing usability and performance
- Architected and maintained an **enterprise-scale monorepo** for the Pharmacy NextGen platform using **Nx**, supporting 3+ applications and 10+ shared libraries with TypeScript, automated testing, and CI/CD-ready configurations
- Engineered a **cross-platform** mobile solution using **React Native** for Zebra scanner mobile devices, enabling biometric verification, native authentication, and hardware integration for in-store workflows
- Owned development of **mission-critical prescriber workflows**, working cross-functionally with UX, backend, and product teams to deliver features under tight regulatory and time constraints, reflecting strategic project management
- Implemented a scalable architecture using **Conduit**, an in-house React framework leveraging dependency injection, message-based communication, and hierarchical state management

**Ductus Inc.**                                                                                              **June 2021 - August 2024**
*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
- Created a suite of **VanillaJS web components** used across 5 different client projects, decreasing code duplication by 10% and improving cross-framework compatibility

## 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