

Sai Lakshmy

FULL STACK-READY FRONTEND ENGINEER – NEXTJS SPECIALIST

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Professional Summary

Frontend Engineer with more than 9 years of experience in delivering scalable web and mobile applications using ReactJS, Next.js, Angular, React Native, JavaScript, and TypeScript. Experienced in building performance-focused interfaces, architecting reusable components, and shipping products in Agile environments across tech and finance sectors. Proven expertise in front-end architecture, cross-platform development, and Agile delivery within technology and finance domains.

- **Frontend Architecture & Performance:** Specialized in Next.js App Router, React Server Components, and SSR to boost SEO, performance, and scalability. Skilled in GraphQL and modern data-fetching patterns for real-time, streamlined rendering.
- **Cross-Platform & Reusable UI Design:** Delivered robust React Native apps and built reusable, accessible components using Tailwind CSS to ensure consistency and responsiveness across platforms.
- **Quality-Driven Development:** Strong focus on quality engineering through Test-Driven Development and end-to-end automation. Experienced in expanding and maintaining automation frameworks using Playwright with Cucumber, unit testing with Jest and React Testing Library improving test coverage, regression reliability, and release confidence.
- **Team Leadership & Collaboration:** Experienced in Agile environments, mentoring junior developers and fostering a culture of quality and continuous improvement.
- **Strategic Integration:** Aligned frontend architecture and implementation strategies with product objectives, resolving integration challenges and delivering performance gains across user-critical features.

Technical Skills

- **Frontend:** ReactJS, Next.js, React Native, Angular, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS, Material UI, Bootstrap
- **State Management:** Redux Toolkit, Redux Saga, Redux Thunk, React Hooks
- **Backend Tools & APIs:** GraphQL, Apollo Client, Firebase, REST APIs, NodeJs, ExpressJs
- **Testing & Quality:** Jest, React Testing Library, TDD, Playwright, Cucumber, End-to-End Testing
- **DevOps & Version Control:** Git, GitHub, GitLab, npm, Yarn
- **Project Management:** Agile (Scrum/Kanban), JIRA, CI/CD

Education

Bachelor of Engineering (Electronics & Telecommunication) | 2012 – 2016

Sathyabama University – Chennai, India

CGPA- 7.94/10

Awards & Recognition

- **“Star” Award – Synechron:** Acknowledged for leading cross-functional teams and mentoring junior developers, facilitating smooth coordination between engineering, design, and product to consistently deliver high-quality features on schedule within a fast-paced Agile workflow.
- **“Spotlight” Award – Verizon:** Honored for improving application speed and stability through codebase analysis and performance tuning, while enhancing team workflows by facilitating clearer communication and streamlined development cycles.

Experience

HCL Technologies | Dubai, UAE

Senior Technical Lead

August 2025 – Present

- Enhanced the existing web platform to achieve feature parity with mobile applications using Angular v12, ensuring a unified user experience and consistent functionality across all digital touchpoints.
- Extended the existing end-to-end automation framework by designing and implementing new test cases using Playwright with Cucumber, improving test coverage, and ensuring reliability across critical user flows.
- Strengthened regression test suites by enhancing scenario coverage and maintaining reusable step definitions, contributing to faster release cycles and reduced production defects.
- Improved application stability and maintainability by validating UI changes through automated tests, reducing manual testing effort, and post-release issues.

Synechron | Dubai, UAE

Lead React Developer

September 2023 – July 2025

- Built and optimized responsive, high-performance web applications using Next.js App Router, Tailwind CSS, and TypeScript, improving load times by 35–40%, strengthening SEO, and ensuring seamless cross-device accessibility.
- Implemented GraphQL with Apollo Client and devised SSR and data-fetching strategies, reducing redundant API calls and average response time by 30%, resulting in improved usability and lower bounce rates.
- Engineered modular, type-safe UI components and enforced TDD using Jest and React Testing Library, maintaining 80%+ test coverage, accelerating development by 20%, and reducing post-deployment defects by 40%.
- Collaborated across design, analytics, and engineering teams while mentoring junior developers, integrating Google Analytics to drive data-backed UX decisions and achieve a 15% increase in user engagement.

Saviynt | Bengaluru, India
Software Engineer 3

September 2021 – September 2023

- Built and optimized full-stack functionalities with Groovy, Grails, and React, increasing enterprise application speed by 20% and enabling quicker transactions with a smoother user experience.
- Orchestrated comprehensive testing initiatives, achieving 80% code coverage across unit, integration, and end-to-end tests using Jest, significantly reducing production bugs and QA cycles.
- Designed responsive, accessible user interfaces using Material UI and Bootstrap, ensuring seamless cross-device functionality and improving overall user satisfaction.

GlobalLogic | Bengaluru, India
Senior Software Engineer

November 2020 – September 2021

- Led development efforts using TypeScript and Redux Thunk, achieving a 15% reduction in runtime errors and strengthening production system reliability.
- Championed Test-Driven Development (TDD) workflow with Jest and React Testing Library, decreasing post-release issues by 40% and cutting QA cycles by 25% through earlier issue identification.
- Influenced frontend design strategy, achieving a 30% boost in rendering efficiency and laying the groundwork for scalable component reuse across upcoming releases.

Infosys | Chennai, India
Software Engineer
Technology Analyst

December 2018 – June 2019
July 2019 – November 2020

- Revamped user interfaces based on direct user feedback, achieving a 25% reduction in page load times, and significantly improving usability and customer satisfaction.
- Managed SQL-based data operations, improving backend integration reliability, and reducing frontend latency by 20% through better-aligned API interactions.
- Implemented new functionality with modern JavaScript (ES6+), achieving a 10% boost in application speed and delivering a more seamless user experience.

Verizon | Chennai, India
Software Engineer

July 2016 – December 2018

- Boosted product load speed by 15% via performance tuning with Dynatrace and jConsole, resulting in a 10% uplift in user retention and better customer engagement.
- Refined team output quality by formalizing coding standards and version control practices using Git and Tortoise SVN, which reduced merge conflicts and integration errors by 35%.
- Aligned technical solutions with business goals through close engagement with stakeholders, leading to better feature adoption and enhanced product-market fit.