

VAMSI KRISHNA CHIGURUWADA

React Developer | Frontend Engineer

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Summary

Creative React Developer with 5 years of experience developing intuitive, responsive user interfaces and improving user experience in modern web applications. Proficient in the React ecosystem (React.js, Next.js, Redux, TypeScript) and component-based architecture, with hands-on expertise in industry-standard tools and workflows. Skilled at turning complex requirements into clean, accessible, and scalable front-end solutions. **Well-versed in Facebook's front-end best practices and certified through Meta's Front-End Developer Professional Certificate.** Authorized to work in the U.S. without sponsorship.

Skills

Core Frontend & Frameworks: React (React.js), JavaScript (ES6+), TypeScript, Next.js, HTML (HTML5), CSS (CSS3)

State Management: Redux, Recoil, React Context API

Styling & UI Libraries: Tailwind CSS, SASS, LESS, Bootstrap, Material UI, Responsive Web Design

Backend Data Handling: Node.js, RESTful APIs, GraphQL, JSON, JWT, Ajax, WebSockets, SQL, Express.js

Development Workflow & Tools: Jest, Unit Testing, Integration Testing, Test Driven Development, Git, NPM, Webpack, Figma, Agile, Scrum, JIRA

Experience

Yash Technologies	Bangalore, India
UI specialist	08/2022 - 08/2024
<ul style="list-style-type: none">Developed responsive SPA's using React.js, Next.js, & Tailwind CSS, consuming RESTful APIs and collaborating with backend (Node.js/Express) teams on data integration within an Agile, full SDLC environment.Wrote comprehensive unit tests for React components using Jest following TDD practices, improving frontend service reliability and achieving a 15% increase in code coverage.Led the integration of advanced data visualization components (React), architecting and building reusable frontend component libraries based on React core concepts and design system principles to enhance user engagement.Enhanced application accessibility by implementing WCAG standards and ensured robust cross-browser compatibility, resulting in a 30% increase in usability.Engineered and implemented sophisticated state management solutions (e.g., Redux, Context API) for complex SPA's, significantly improving data flow consistency and simplifying component interactions.Drove client-side performance improvements via code splitting and lazy loading, significantly cutting initial load times and enhancing application responsiveness.	
Msys Technologies	Chennai, India
UI developer	02/2021 - 08/2022
<ul style="list-style-type: none">Engineered 15+ reusable, responsive UI components using React.js and TypeScript, implementing robust state management with Redux and adhering to client-side architecture and design patterns, which slashed code duplication by 25%.Played a pivotal role in a 12-member cross-functional Agile/Scrum team (Product, UX Design, Engineering), utilizing tools like JIRA for effective task tracking and consistently contributing to the on-time delivery of multiple major feature releases.Partnered strategically with Node.js backend developers to co-design API contracts and integrate RESTful APIs, ensuring optimal data flow and seamless frontend-backend communication for new product functionalities.Actively drove software quality and development velocity by contributing to sprint planning, conducting rigorous code reviews to uphold coding standards, and leveraging CI/CD pipelines (Webpack, Git) for rapid and reliable delivery.Translated complex UI/UX design specifications and Figma mockups into pixel-perfect, interactive React.js applications, championing a user-first approach to create intuitive and engaging front-end experiences.	
Msys Technologies	Chennai, India
UI developer intern	02/2020 - 01/2021
<ul style="list-style-type: none">Developed and optimized frontend components for performance, achieving a 15% improvement in average page load speed and successfully integrating APIs to enhance user experience.Collaborated with UX/UI teams, translating over 10+ Figma designs into responsive and dynamic web interfaces using React.js and TypeScript, gaining hands-on experience in modern frontend development.Assisted senior developers in unit testing for React components using Jest, contributing to overall code quality and gaining practical experience in software testing methodologies.	

Projects

SBV (Sustainable Business Value)

This project for client Merck Group centered on a system to measure and quantify a product's societal and sustainability contributions.

- Crafted functional and visually appealing UI components with **React.js**, leveraging UI libraries, custom styling, and **Charts.js** for intuitive data visualizations and an improved user experience.
- Orchestrated **GraphQL API integration** to reduce data fetching times by **30%**, boosting application speed and scalability, and ensured system reliability through rigorous unit and end-to-end testing with **Jest**.

Bakkt Digital Assets Platform

This project for the client Bakkt involved developing a **real-time cryptocurrency trading user interface**, focusing on high performance and responsive design to support live market interactions.

- Supported a significant backend system migration by adapting the **React/TypeScript** frontend codebase to new API endpoints and evolving data structures, ensuring seamless user experience and maintaining application stability throughout the transition.
- Engineered dynamic, real-time crypto trading interface components using **React, TypeScript, and WebSockets**, implementing sophisticated **state management** to handle complex, high-frequency data flows.
- Constructed highly **responsive** front-end components optimized for **cross-browser compatibility** and sustained **high performance**, successfully managing over **100,000 concurrent user connections**.
- Partnered with backend engineering teams to integrate secure Web-Socket connections, ensuring reliable and timely delivery of **real-time data feeds** essential for critical financial transactions.

Certification

Meta Front-End Developer Professional Certification

Education

Hult International Business School

Cambridge, United States

Master of Science in Business Analytics (STEM)

05/2020 - 06/2025

- Focus on data-driven decision-making, statistical modeling, machine learning (Python, R), data visualization (Tableau, Power BI), and leveraging big data analytics for strategic business insights.

Audisankara College of Engineering and Technology

India

B.Tech. In Computer Science & Eng. [STEM],

07/2016 - 08/2020

- Focus on Core computer science principles including Data Structures, Algorithms, Object-Oriented Programming, Database Management Systems (SQL), Operating Systems, and Software Engineering methodologies.

Find me online

 LinkedIn

<https://www.linkedin.com/in/vamsi-krish-c>

 GitHub

<https://github.com/vamsi-krish-chiguruwada>

 Portfolio

<https://vamsikrish.com>