# Vamsi Chiguruwada

UI Specialist · UI Developer

*Boston, MA, USA*

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## Work Experience

### Yash Technologies
*Bangalore, India*

UI Specialist
*Aug 2022 - Aug 2024*

- Collaborated on integrating RESTful services and backend logic using Node.js and Express to support SBV application workflows in a microservices-based architecture.
- Built internal APIs and backend modules using Node.js, improving server-side performance and data handling efficiency.
- Wrote unit tests using Jest, **improving Front-end service reliability and achieving 15% higher test coverage**.
- Led integration of advanced data visualization components (React) and contributed to reusable component libraries adhering to design system principles for the CONAN application.
- Enhanced accessibility across SBV and CONAN applications by implementing WCAG standards, resulting in a **30% increase in usability** .

### Msys Technologies
*Chennai, India*

UI Developer
*Feb 2021 - Aug 2022*

- Developed **15+** reusable, responsive, component-based UI elements using React.js and TypeScript, **reducing frontend code duplication by 25%** across projects.
- Collaborated within a **12-member cross-functional Agile team** (Product, UX Design, Engineering), contributing to the **on-time delivery of 4 major feature releases**.
- Worked closely with backend developers using Node.js to define API contracts and resolve integration challenges.
- Participated in sprint planning, code reviews, and continuous integration (CI/CD) processes to ensure high code quality and rapid delivery cycles.

### Msys Technologies
*Chennai, India*

UI Developer Intern
*Feb 2020 - Jan 2021*

- Collaborated with UX/UI teams using Figma to translate designs into responsive, dynamic web interfaces using React.js and TypeScript.
- Developed and optimized front-end components using JavaScript and CSS, **improving average page load speed by 15%** and integrated APIs .

## Projects

### SBV ( Sustainable Business Value )
*Bangalore, India*

Project for Client: MERCK GROUP (via Yash Technologies)
*AUG 2022 - Aug 2024*

- Designed backend services using Node.js and Express for processing organizational sustainability data, exposing REST endpoints handling up to **500 requests per second**.
- Integrated GraphQL APIs, **reducing data fetching times by 30%** compared to previous REST endpoints, and used Jest for end-to-end testing.

### Bakkt Digital Assets Platform
*Chennai, India*

Project for Clients: Bakkt Holdings, Intercontinental Exchange ( via Msys Technologies )
*Feb 2020 - Aug 2022*

- Developed real-time crypto trading interface components using React, TypeScript, and WebSockets.
- Built responsive front-end components ensuring a seamless user experience across devices (cross-browser/cross-device compatibility), handling **over 10,000 concurrent connections**.
- Collaborated with backend teams to integrate secure WebSocket connections, enabling real-time updates for crypto transactions and market data.

## Technical Skills

**Frontend:** React.js, Redux, JavaScript, Typescript, Recoil, Express.js, HTML5, Semantic HTML, CSS3, Modular CSS (Tailwind CSS, Material UI, Bootstrap), Next.js, Hooks, Component Libraries
**Backend:** Node.js, MySQL, Firebase, GraphQL
**Testing:** Jest Testing Library, Unit Testing, End-to-End Testing, TDD
**Tools & Concepts:** Git, Webpack, CI/CD, DevOps practices, JSON, RESTful APIs, Agile, Sprint Planning, Figma, Cross-Browser Compatibility

## Education

### Hult International Business School
*Cambridge, MA, USA*

Master of Science in Business Analytics
*Sep 2024 - Jun 2025 (Expected)*

### Audisankara College of Engineering and Technology
*Andhra Pradesh, India*

Bachelor of Technology: Computer Science and Engineering
*Jun 2016 - May 2020*