

Venkateshwarlu Kandi

Associate Software Engineer – React Developer — Frontend Engineer

Hyderabad, India

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Portfolio: <https://kandivenkateshportfolio.netlify.app/>

Professional Summary

Frontend Engineer with strong experience in building scalable, high-performance web applications using React.js, JavaScript (ES6+), HTML5, and CSS3. Proven ability to design reusable component architectures, integrate REST APIs, optimize application performance, and collaborate cross-functionally to deliver enterprise-grade solutions in automotive and cloud-based production environments.

Technical Skills

Frontend: React.js, JavaScript (ES6+), HTML5, CSS3, Bootstrap, React-Bootstrap.

APIs & State: REST APIs, Axios, Fetch API, Redux, Context API

Performance: Code Splitting, Lazy Loading, Caching Strategies, Web Optimization.

Tools & Platforms: Git, Azure DevOps, AWS, Vite

Auth & Security: AWS Cognito, Role-Based Access Control

Other: Responsive Design, Cross-Browser Compatibility, Debugging, Production Support, Unit Testing (Jest), Agile/Scrum, Sprint Planning, Daily Stand-ups

Professional Experience

Frontend Developer (React.js)

Enterprise Automotive Platforms

- Designed, developed, and maintained scalable React.js applications supporting real-time automotive data workflows.
- Built modular and reusable component architectures, improving maintainability and accelerating feature delivery.
- Led UI development for the **Vehicle Operation Center (VOC)** enabling real-time vehicle telemetry monitoring and remote operations.
- Integrated REST APIs using Axios and Fetch API for dynamic, data-driven user interfaces.
- Optimized application performance through code splitting, caching, and efficient state management, reducing page load times by up to **25%**.
- Collaborated with UI/UX designers, backend engineers, and business stakeholders to deliver high-quality user experiences.
- Ensured responsive design, cross-browser compatibility, and consistent UX across devices.
- Troubleshooted production issues and supported cloud deployments and client releases.

Key Projects

Vehicle Operation Center (VOC)

React.js, Vite, AWS

- Built real-time dashboards visualizing vehicle telemetry including battery status, TPMS, and HVAC data.
- Integrated AWS services to support scalable data ingestion and visualization.
- Delivered a production-ready solution deployed for **Skoda India**, enabling centralized vehicle monitoring and remote command execution.

Cluster Management System (CMS)

React.js, Redux, AWS Lambda

- Developed a scalable content management interface for centralized cluster operations.
- Implemented secure authentication and role-based access control using AWS Cognito.
- Built full CRUD workflows, reducing manual operational effort by **40%**.
- Integrated REST APIs using Axios for real-time data updates.
- Implemented global state management using Redux for complex application state handling.
- Added notification, validation, and user feedback mechanisms to improve usability.
- Wrote unit tests using Jest to ensure reliability and prevent regressions.
- Participated in Agile Scrum ceremonies including sprint planning, stand-ups, reviews, and retrospectives.
- Used Git for version control and Jira for sprint and issue tracking.
- Implemented responsive UI using Tailwind CSS for faster development and consistent styling.

Ultifi Web Portal (General Motors)

React.js, React-Bootstrap, Azure DevOps

- Designed reusable and scalable React components for long-term maintainability.
- Implemented responsive layouts and seamless navigation using React Router.
- Optimized state management for complex, data-driven user interactions.

Education

Bachelor of Engineering – Civil Engineering

Jawaharlal Nehru Technological University Hyderabad (JNTUH)

Hyderabad, India

2018 – 2021

Additional Information

- Strong understanding of frontend architecture and performance optimization
- Experience working in Agile/Scrum environments
- Actively learning advanced React patterns and frontend system design

Target Roles: React Developer — Frontend Developer — Frontend Engineer