

# Venkateshwarlu Kandi

Associate Software Engineer – React Developer — Frontend Engineer

Hyderabad, India

kandivenkateshwarlu123@gmail.com — 6301493516 / 9000293619 — LinkedIn -

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

## Professional Summary

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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

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**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

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### 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.
- Troubleshoot production issues and supported cloud deployments and client releases.

## Key Projects

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### 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

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### Bachelor of Engineering – Civil Engineering

Jawaharlal Nehru Technological University Hyderabad (JNTUH)

Hyderabad, India

2018 – 2021

### **Additional Information**

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- 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