

# Madhava Reddy Vemireddy

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in Madhava Reddy Vemireddy

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## SUMMARY

- Results-driven **Full-Stack Developer** with **4+ years** of experience in designing and developing scalable web applications.
- Expertise in building reusable UI components using **ReactJS, TypeScript, and JSX** for maintainable front-end architecture.
- Proficient in managing global state using **Redux** and **Context API** for efficient data flow and modularity.
- Strong experience in developing and integrating **RESTful APIs** with **ASP.NET Core**, ensuring secure and efficient data exchange.
- Implemented **JWT Authentication** for user authentication and authorization, enhancing application security.
- Designed responsive, mobile-first UIs using **CSS Grid, Flexbox, and SASS/SCSS** for a seamless user experience.
- Experienced in writing unit and integration tests using **Jest** and **xUnit** to ensure code reliability and maintainability.
- Optimized front-end performance using **Webpack** and debugging tools like **Chrome DevTools**.
- Worked with **PostgreSQL** and **Entity Framework Core** for efficient database management and data retrieval.
- Hands-on experience with **Micro Front-End (MFE) architecture**, enabling modular and scalable front-end applications.
- Integrated **Axios / Fetch** for seamless communication with external APIs and back-end services.
- Experienced in cloud platforms like **AWS (RDS, S3)** for hosting and managing applications.
- Familiar with **CI/CD pipelines** using **Azure Pipelines and Jenkins** for automated deployment and delivery.
- Strong debugging and troubleshooting skills, ensuring optimal application performance and quick issue resolution.
- Adept at working in agile environments, collaborating with cross-functional teams to deliver high-quality software solutions.

## Education

- **B.Tech in Computer Science**, *RISE Krishna Sai Prakasam Group Institutions* (June 2017 - Aug 2021) — GPA: 7.73/10.0
- **Intermediate**, *Narayana Jr College, Kadapa* (2015 – 2017) — GPA: 93.3/100
- **SSC**, *Vijaya High School, Porumamilla* (2015) — GPA: 87/100

## Experience

**Amiti Software Technologies Pvt. Ltd.**  
Software Developer

Bengaluru  
**June 2021 – Present**

## SKILLS

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### Front-End:

- **Core Technologies:** ReactJS, JavaScript, TypeScript, JSX, HTML5, CSS3
- **State Management:** Redux, Context API
- **Routing:** React-Router
- **Styling & Layout:** Flexbox, CSS Grid, Responsive Web Design, SASS/SCSS
- **APIs:** RESTful APIs, Axios / Fetch
- **Build Tools:** Webpack
- **Testing:** Jest
- **Debugging & Tools:** Web Debugging, Chrome DevTools
- **Micro Front-End (MFE):** Micro Front-End Architecture

### Back-End:

- **Core Technologies:** ASP.NET Core, C#, ASP.NET Web APIs
- **Databases:** PostgreSQL
- **Authentication & Authorization:** JWT Authentication
- **ORM:** Entity Framework Core
- **Middleware:** Custom Middleware, Authentication Middleware
- **API Design:** RESTful APIs, OpenAPI (Swagger)
- **Data Access:** LINQ, SQL Queries
- **Testing:** xUnit,
- **Version Control:** Git, GitHub, Azure DevOps
- **CI/CD:** Azure Pipelines, Jenkins

**CLOUD PLATFORMS:** AWS (RDS, S3)

**MONITORING & ANALYTICS TOOLS:** Honeycomb, Grafana, Splunk

**SOFTWARE & IDEs:** VS Code, Visual Studio, Postman, Swagger

## Projects

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### Retail Inventory Management System (Retail IMS) Appraisals

**Overview:** Developed a vehicle appraisal and inventory management system enabling sellers to connect with dealerships, receive quotes, and manage vehicle sales through auctions.

#### Responsibilities:

- Implemented the **Appraisal Module** where sellers receive price quotes from dealerships and decide to accept, reject, or send vehicles to auction.
- Developed auction workflows with a **45-day expiration mechanism** for unsold vehicles.
- Built an **Inventory Management System** allowing dealerships to track vehicles, move them to auctions, and manage high-bid sales.
- Designed dynamic **ReactJS** components for quote management, appraisal status, and auction tracking.
- Created RESTful APIs in **.NET Core** for dealership communication, bid tracking, and vehicle status updates.

**Technologies Used:** ReactJS, Redux, .NET Core, Entity Framework, PostgreSQL (AWS RDS)

## Vehicle Auction Platform – Search and Purchase Optimization

**Overview:** Developed and optimized a vehicle auction platform for automotive financial companies, enhancing search, bidding, and purchasing workflows.

### Responsibilities:

- Built advanced search functionality with dynamic filtering using **.NET Core** APIs and **ReactJS** components.
- Developed a seamless vehicle bidding and purchasing workflow, integrating direct purchases, best offers, and autobids.
- Implemented reusable UI components (e.g., Filter Modal, Bid Summary) for a responsive and intuitive experience.

**Technologies Used:** ReactJS, Redux, .NET Core, Entity Framework, PostgreSQL (AWS RDS)

## HCC Loan Payoff Platform

**Overview:** Built a loan payoff platform for Hyundai Capital Canada, enabling users to view loan details, calculate fees, and submit requests.

### Responsibilities:

- Developed REST APIs in **.NET Core** for loan details, fee calculations, and payoff requests.
- Designed a responsive ReactJS interface for VIN-based loan retrieval and payment processing.

**Technologies Used:** ReactJS, Redux, .NET Core, Entity Framework, PostgreSQL (AWS RDS)

## Independent Projects

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### React Micro-Frontend (MFE) Portfolio

**Live URL:** <https://maddytech.rf.gd/> 

**Overview:** Developed a micro-frontend-based portfolio with multiple React repositories, showcasing personal details, skills, and experience.

### Responsibilities:

- Designed and built modular **ReactJS** applications (maddy-widgets, maddy-login, maddy-shell) using Webpack and lazy loading.
- Integrated **.NET Core APIs** for account management and email services.
- Deployed the project on **Netlify** with dynamic content loading.

**Technologies Used:** ReactJS, Webpack, .NET Core APIs, SMTP, JWT Authentication, Netlify

### IRASAH – Training Institute Website

**Live URL:** <https://irasah.com/> 

**Overview:** Built a static, mobile-responsive React application for a training institute.

### Responsibilities:

- Developed a clean and responsive UI for course listings and contact forms.
- Integrated **Email.js** for handling user queries.
- Deployed the application publicly for seamless access.

**Technologies Used:** ReactJS, Email.js, Public Web Hosting