

AJAY KUMAR MAKIREDDI

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Professional Summary:

Full-Stack Developer specializing in React.js and Node.js with experience building high-performance Single Page Applications and RESTful APIs. Strong in component-driven UI development, backend architecture with Express.js, secure authentication (JWT/OTP), and database operations with PostgreSQL. Adept at integrating APIs, managing state (Context/Redux), and deploying complete full-stack applications on cloud platforms.

Professional Experience:

Full Stack Developer

Visys Cloud Technologies – Hyderabad, India | Nov 2024 – Present

Human Resources Management System [HRMS] :

- Built modular, scalable React.js payroll components including Salary Assignment, Salary Structures, Salary Components, and Pay Cycle management with reusable UI patterns and centered modal workflows. Developed Single Page Applications (SPA) with code splitting, lazy loading, and skeleton loaders for improved performance.
- Developed dynamic, calculation-driven salary processing (CTC, Gross, Net Pay) using rule-based engines supporting Fixed values, % of Basic/Gross, Slabs, Overrides, and formula-driven components.
- Added cross-module integrations ensuring components → structures → assignments → payroll cycles function cohesively with consistent business rules.
- Implemented import/export features for Structures, Components, and CTC summaries (JSON/CSV), including schema validation and version tracking.
- Designed and deployed a dynamic image upload & labeling feature with automated file renaming (Front, Back, Right).
- Prepared the system for backend integration with clean request/response adapters, optimistic UI patterns, and error rollback capabilities.
- Implemented audit logging of user/system activities for compliance and traceability.

Key Modules Delivered:

- Employee Salary Assignment (with version history, overrides, statutory settings)
- Salary Structures Management (earnings/deductions, formulas, component groups, versioning) Sales & Invoice Management
- Salary Components Catalog (calculators, groups, JSON import/export) Delivery Challan Generation
- Payroll Cycles Automation (create/edit, auto-generate cycles, bulk actions, audit logs)

Technical Skills:

Frontend : React.js, JavaScript (ES6+), Tailwind CSS, Bootstrap, HTML5, CSS3.
Backend : Node.js , Express.js , Java , Spring Boot
Database : MySQL, H2 (RDBMS, Query Optimization), PostgreSQL.
Testing&Tools : Git, GitHub, Postman, VSCode, Eclipse .
Other : Responsive Design, Progressive Web Apps (PWA), File Uploads, OTP Authentication, RESTful APIs, Logging & Error Tracking

Projects:

Anime Dozo – Full-Stack E-Commerce Platform

Tech Stack: React.js, Node.js, Express.js, PostgreSQL, JWT Authentication, Axios, REST API, CSS/Bootstrap.

Project Description :

Developed a full-stack e-commerce web application for anime merchandise, providing product browsing, cart management, secure user authentication, and order placement. Built a responsive UI with React and a scalable backend with Node.js, Express, and PostgreSQL.

Key Contributions:

- User Authentication: Implemented secure login/registration using JWT, password hashing, and role-based access.
- Product Management: Admin can add, update, delete products with images, stock, price, and categories.
- Cart & Checkout: Users can add items to cart, update quantity, and place orders.
- Order Management: Users can view past orders; Admin can manage and track all orders.
- API Integration: Connected frontend with backend using RESTful APIs and Axios.
- Database Design: Normalized tables in PostgreSQL for users, products, categories, orders, and order items.

Milk Dairy Management System – Feb 2025 to July 2025

Stack: React.js, Vite, Tailwind CSS, REST APIs

A web-based e-commerce application for livestock feed procurement with offline-first support.

Key Contributions:

- Developed React.js UI components and screens with smooth navigation and responsive layouts.
 - Implemented an offline cart management UI with local state handling and validation.
 - Designed invoice and order summary screens with GST/tax breakdown visualization.
 - Integrated REST API endpoints for orders, payments, and inventory into the web frontend.
 - Optimized components for low-network environments, ensuring accessibility for rural users.
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Education:

Bachelor of Science – BSc (Computers)

TSR AND TBK Degree College (Andhra University) | **2023** | **CGPA: 7.0**