

Supriya Dinesh

Full Stack Developer

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CAREER OBJECTIVE

Full Stack Developer with 3+ years of experience in building scalable, responsive, and high-performing web applications. Proficient in **MongoDB, Express.js, React, and Node.js**, with strong expertise in **HTML, CSS, and JavaScript (ES6+)**. Skilled at designing and implementing user-friendly interfaces while ensuring seamless integration with back-end services. Passionate about delivering end-to-end solutions, optimizing application performance, and following best practices to create maintainable, efficient, and secure applications.

PROFESSIONAL EXPERIENCE

Designation – Senior Software Engineer

Dec 2025 – Still

Company – Bahwan CyberTek (BCT) | Chennai,

Project: TWAD Application (TamilNadu Water Supply And Drainage Board)

Project Overview

The TWAD Application is a large-scale government web application developed for the Tamil Nadu Water Supply and Drainage Board to manage administrative, operational, and workflow-based processes efficiently. The system supports role-based access, secure authentication, and end-to-end workflow automation across multiple departments.

Key Features

3-Level Credential-Based Login

- Admin
- User
- Developer

Each role has controlled access based on permissions and responsibilities.

- **Admin Module**

- Centralized control over users, roles, permissions, and configurations.
- Master data management and approval workflows.

- **18 + Functional Modules**

- Workflow Management
- Master Configuration
- User & Role Management

- Bank & Account Mapping
- Training
- Approval & Verification Processes
- Reporting & Audit Logs
- API-based data synchronization
- Other operational and administrative modules

Workflow-Based System

- Multi-level approval flows
- Status tracking and validations
- Role-based action controls

Technical Stack

Backend:

- Java
- Spring Boot (REST APIs, Security, Validation)

Database:

- MySQL (Relational database design, optimized queries)

Frontend:

- React.js
- TypeScript
- Redux (State Management)
- Tailwind CSS (Responsive UI)

API Integration

- Secure RESTful API integration between frontend and backend
- Master APIs and transactional APIs

Responsibilities

- Designed and implemented UI components using React, TypeScript, and Tailwind CSS
- Managed state handling using Redux
- Integrated backend APIs with frontend modules
- Implemented role-based access control and workflows
- Worked on form validations, approval flows, and data mapping
- Collaborated with backend team for API design and data consistency

Company – Adglobal 360 | Chennai, India

Project: Trove Description:

- The Trove Project Chat application, powered by **TypeScript**, offers a robust and scalable chat platform with functionality similar to WhatsApp.
- It comprises four key modules: **KM (Knowledge Management)** for uploading posts live, similar to Instagram, and evaluating address grams; **Survey**, utilizing Yup validation; **DM (One-to-One Chat)**; and **Circle (Group Chat)**, designed to cater to diverse communication needs.
- The application leverages **Zustand** for efficient state management, ensuring seamless interactions across all modules.
- Real-time communication is achieved through **WebSockets**, enabling instant message delivery and updates.

Responsibilities:

- Develop and maintain scalable and efficient chat modules using **TypeScript** and **Tailwind CSS** to create a responsive and user-friendly interface.
- Implement **Zustand** for state management to ensure real-time synchronization of chat data and user actions.
- Configure **WebSockets** for seamless live communication across KM, Survey, DM, and Circle modules.
- Validate and manage roles and permissions in the KM module to enforce secure and role-based access to features.

Technologies Used:

- **TypeScript**: For building a type-safe and scalable application architecture.
- **Tailwind CSS**: For crafting responsive, modern, and aesthetically appealing user interfaces.
- **Zustand**: For managing application state with simplicity and efficiency.
- **WebSocket**: For enabling real-time communication and data transfer

Company – Cavin Infotech | Chennai, India

Project: Mint 360

- Built the **backend** with **Node.js** and **Express.js**, ensuring smooth handling of server-side logic and API integration.
- Developed the **frontend** using **React.js** and **Redux Toolkit** for efficient state management and seamless user interactions.
- Implemented **MongoDB** with **Mongoose** for secure and structured storage of customer and property data.
- Designed and integrated an intuitive **lead submission form** for capturing customer details such as name, email, phone number, property preferences, and budget.
- Delivered a comprehensive lead management solution improving operational efficiency for real estate businesses.

Technologies Used:

- **Frontend**: React.js, Angular Ext CSS, Html,

- **Backend:** Node.js, Express.js
- **State Management:** Redux, Context API
- **Database:** Mongo DB, Mysql

Designation –Software Engineer

April 2023 - April 2024

Company –Workiy Technology| Chennai, India

Project: Coding Academy

The Coding Academy is an innovative E-Learning platform designed for IT professionals and students.

- It helps users enhance their technical and IT knowledge through a wide range of specialized courses.
- The platform provides easy navigation for searching and exploring various courses tailored to user needs.
- Users can register effortlessly for both online and offline classes.
- The system ensures flexibility and accessibility, allowing learning from anywhere at any time.
- A user-friendly interface enhances the learning experience and simplifies enrollment.
- Courses are categorized by technology and skill level, helping learners choose effectively.
- The platform supports secure registration and data management for all users.
- It bridges the gap between students and professionals by providing practical IT learning opportunities.

Overall, it offers a comprehensive digital learning solution for career growth in the IT industry.

Technologies Used:

- Frontend: React.js, Angular Ext CSS,Html,
- Backend: Node.js, Express.js
- Database: MySQL, MongoDB
- API Integration: RESTful APIs

TECHNICAL SKILLS

- **Frontend Frameworks & Libraries:** React.js, Next.js, Angular,
- **Programming & Scripting Languages:** JavaScript (ES6+), TypeScript
- **Markup Languages:** HTML5, CSS3, SASS (SCSS)
- **State Management:** Redux Toolkit, ContextAPI, Zustand
- **UI/Responsive Design Frameworks:** Material-UI, Tailwind CSS, Bootstrap
- **Backend Technologies:** Node.js, Express.js, Java SpringBoot
- **Databases:** SQL, MongoDB
- **Version Control:** Git, GitHub, GitLab
- **Cloud Platforms:** Microsoft Azure

- **API Integration:** RESTful APIs
- **Cross-Browser Compatibility:** Chrome, Firefox, Safari, Edge

EDUCATION

MCA, Master Computer Application | Madras University | Chennai
BCA, Bachelor Computer Application | Auxillum college of Autonomus | Vellore-Katpadi

LANGUAGE PROFICIENCY

- English
- Tamil
- Hindi