MANIKANDAN R S

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Professional Summary:

Frontend Developer with 3 years of experience building scalable web applications using React, TypeScript, and Micro Frontend architecture, with hands-on Agile delivery in cross-functional teams.

Experience:

Junior Software Engineer, Cognizant Technology Solutions (Client – Albertsons Companies)   Aug 2022 – Present

Project: Unified Web Platform Modernization

Role: Frontend Developer

Tech Stack: React, TypeScript, Node.js, Webpack Module Federation, Context API, Axios, Ant Design, Git, GitHub, GitHub Actions, Veracode, Jest

- Migrated legacy AngularJS and vanilla JavaScript applications into a modern, unified React application using **Micro Frontend architecture**.
- Built and styled dynamic, reusable UI components using Ant Design, with efficient state management through **React Context API**.
- Consumed and managed RESTful APIs using Axios with proper error boundaries and retry strategies.
- Participated in Agile development ceremonies including sprint planning, daily stand-ups, and retrospectives to drive iterative delivery.
- Used GitHub Actions for deployment and **Veracode** for vulnerability scanning and written unit test cases using **Jest and RTL**.

Project: Internal Access Management Dashboard

Role: Full Stack Developer

Tech Stack: React, TypeScript, Node.js, Express.js, MongoDB, JWT

- Identified a bottleneck in the Azure access request process, where access was manually requested via RIT tickets, causing significant delays.
- Designed and developed an internal admin dashboard to streamline and **automate user access management for applications** and Azure groups based on roles.
- Implemented secure login **and role-based access control (RBAC) using JWT authentication** and authorization logic on both frontend and backend.
- Developed intuitive, responsive UI in React with TypeScript for admin users to manage application access, view logs, and audit user actions.
- Built RESTful APIs using Node.js and Express.js and stored user-role mappings and access permissions in MongoDB.
- Improved overall efficiency by reducing access provisioning time from days to minutes.

Software Engineer Trainee, Cognizant Technology Solutions   Jan 2022 – July 2022

- Acquired and applied foundational web development skills, including HTML, CSS, and JavaScript.
- Engaged in team training sessions, enhancing understanding of web development components.
- Actively participated in team discussions and completed tasks, showcasing enthusiasm for learning and best practices.

Technical Skills:

Programming Languages	JavaScript, Typescript, HTML, CSS
Frameworks & Libraries	React.js, Redux, Node.js, Express.js, Ant Design, Tailwind CSS, Jest, JWT (JSON Web Token)
Tools & Platforms	Git, GitHub, GitHub Actions, Postman, Figma, AWS, Veracode, SonarQube
DBMS and ORMs	MongoDB, Mongoose, SQL

Education:

PSNA College of Engineering and Technology, Dindigul.   Aug'2018 – July'2022

Bachelor of Engineering in Electronics and Communication Engineering   83.5%

Certificates:

- Gen AI Intermediate Voyager Prompt Techniques and Partner offerings
- GitHub Copilot
- AWS Code Whisperer