SUSMITHA NALLANI

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PROFESSIONAL SUMMARY

Dedicated Frontend Developer with **3 years of experience** building **clean, interactive, and scalable user interfaces** using **React.js**, **Bootstrap**, and **Material-UI**. Proficient in creating **responsive designs**, **dynamic dashboards**, and **reusable components**, with seamless **integration of REST APIs** developed in **Python, .NET, and Node.js**.Strong understanding of **state management**, **performance optimization**. Experienced in delivering high-quality solutions within **agile environments**, with a proven track record in the **healthcare** and **semiconductor** and **video analytics** domains.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), Typescript, HTML5, CSS3

Frontend: React.js, Bootstrap, Material-UI, Chart.js, Responsive Design

State Management: React Hooks, Context API

API Integration: Python (Flask/FastAPI), .NET Core, Node.js REST APIs

Testing & Tools: Git, VS Code, Chrome DevTools

Other: Agile/Scrum, Postman, Figma (basic), Cross-browser Compatibility

PROFESSIONAL EXPERIENCE

Software Engineer - Frontend

Digi Telescope Pvt Ltd, Hyderabad Aug 2022 – Present

- Designed and developed responsive UIs using React, Bootstrap, and Material-UI.
- Created dashboard components and chart visualizations using Chart.js for analytics.
- Integrated frontend with Python (Flask/Fast API) and .NET Core, Node Js APIs.
- Managed application state using React Hooks (use State, use Effect, use Context), Redux.
- Collaborated with backend developers, designers, and QA teams in Agile/Scrum.

- Conducted code reviews, UI testing, and performance optimization.

PROJECTS

1. Imprest Stock Management System – Healthcare

- **Technologies**: React.js, Material-UI, Chart.js, Node.js, PostgreSQL, Python (FastAPI)

- **Description:** The objective of this project is to automate Imprest Stock Management in hospitals using video analytics. By capturing images or video and reading medicine barcodes, the system tracks stock levels and automatically generates purchase orders to suppliers. This ensures critical medicines are always available, especially during emergencies.

- **Responsibilities:**

  o Built interactive dashboards using React Js, Bootstrap components.
  o Integrated YOLO AI object detection output in UI for real-time medicine stock monitoring.
  o Visualized license trends using Chart js with dynamic data binding.
  o Displayed alerts and modals for expired licenses with real-time updates.
  o Created reusable form and table components using react hooks and props.
  o Implemented form validations and error handling for smooth user interaction.
  o Designed intuitive permission-based sharing workflows with conditional UI elements.

2. Research Architect System – Clinical Trials

- **Technologies** React.js, Bootstrap 5, Node.js, Mongo, Python Core APIs

- **Description:** Austin is a research project management system that streamlines the submission, review, and approval process while ensuring compliance with regulatory, ethical, and institutional standards. It provides a structured workflow that promotes transparency, strengthens research governance, and supports seamless collaboration among committees.

- **Responsibilities:**
  o Developed role-based UI dashboards with tabbed navigation.
  o Integrated Python REST APIs for uploads, version control, and logs.
  o Developed a modular and scalable frontend architecture using React.js, ensuring maintainability and feature extensibility.
  o Implemented role-based UI rendering based on user permissions, controlling access to document actions.
  o Built secure file upload interfaces with drag-and-drop support and real-time progress indicators.
  o Integrated version control UI, enabling users to view and manage document history visually.

3. Semiconductor Testing Dashboard

- **Technologies**: React.js, Bootstrap 5, .NET Core, SQL Server
- **Description** : A Semiconductor Testing company conducts large-scale live testing on devices from numerous semiconductor manufacturers with diverse configurations. A comprehensive application was developed to bridge customers and the company, featuring modules like Production, Operator, End User, and Admin. The system manages the entire workflow—from customer requirements to testing, tracking good/reject quantities, equipment used, and final shipment with associated PO and invoicing.

- **Responsibilities:**
  - Developed a scalable, reusable React UI using TypeScript, Bootstrap, and custom components.
  - Integrated the React frontend with a .NET backend and SQL Server for secure data handling
  - Built charts and status views for performance metrics. Applied component-level access restrictions and conditional rendering for secure data visibility.
  - Ensured responsive and accessible UI across devices using MUI
  - Utilized React hooks and custom components for reusability across document workflows.

EDUCATION

- Bachelor of Technology (B.Tech)
- Electronics and Communication Engineering
- Geethanjali College of Engineering and Technology, Kurnool

PERSONAL DETAILS

- **Date of Birth:** 08th June 1998
- **Languages:** English, Telugu
- **Permanent Location:** Madirepalli(v), Anantapur , Andhra Pradesh.
- **Residential Location:** Hyderabad

DECLARATION

I hereby declare that the information provided above is true to the best of my knowledge.

Place: Hyderabad

Name: Susmitha Nallani