

BUSAPPAGARI SHANMUKHA

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Summary

Software Developer with 1 year of hands-on experience in designing and building scalable, high-performance web applications using **React.js**, **Redux Toolkit**, **Django**, **FastAPI**, and **MongoDB**. Proficient in developing responsive user interfaces, robust RESTful APIs, and managing complex application states. Demonstrates a strong focus on **clean architecture**, **code quality**, and **agile development practices**. Adept at accelerating delivery timelines through the use of **AI-enhanced tools** such as **GitHub Copilot**, **Cursor IDE**, and **Lovable AI**, driving efficiency and reducing developer workload.

Experience

WIN Information Technology(WINIT)

Jun 2024 – Jun 2025

Frontend Developer

Hyderabad, Telangana

Projects: Retail Audit & Presales Solution, Distributor Management System (DMS)

- Designed and developed responsive **cross-platform user interfaces** using **Blazor** and **React.js**, enabling seamless deployment on both **web and mobile** through a single codebase as part of WINIT's enterprise-grade solutions.
- Led the frontend development of core modules including **Presales Planning**, **Retail Audits**, **Inventory Management**, **Audit Tracking**, and **Order Processing**, ensuring high responsiveness and usability for field and management users.
- Collaborated closely with the backend team using **.NET Core APIs** and also participated in **Python-based API integration (FastAPI/Django)** during module extensions and data flow alignment — ensuring full-stack consistency without disrupting legacy architecture.
- Engineered dynamic UI components capable of **handling large datasets**, responsive data tables, and custom user flows, improving performance and real-time interactivity across dashboards.
- Integrated **visual data analytics** via charts and graphs using JavaScript libraries and UI frameworks, supporting real-time sales metrics, visit tracking, and product-level analysis.
- Boosted development speed and reduced manual effort by integrating **AI-enhanced tools** such as **GitHub Copilot**, **Cursor IDE**, and **Lovable AI**, leading to ~30% faster delivery cycles and fewer integration issues.
- Built scalable components using **Material UI**, **ShadCN/UI**, and **Tailwind CSS**, aligned with accessibility and modern UX standards to support enterprise-grade compliance (e.g., planogram, distribution, retail execution).
- Worked directly with product managers, QA teams, and senior architects in a **product-based agile environment**, aligning delivery with real-world business goals across **Sales Force Automation**, **Distributor Management**, and **Retail Execution**.
- Participated in sprint demos, code reviews, and client workshops, contributing to performance tuning, UI enhancements, and architecture discussions for scalable enterprise deployment.

Marolix Technology Solutions Pvt Ltd

Aug 2023 – Jan 2024

Python Developer Intern

Hyderabad, Telangana

- Contributed to the development of a **Human Resource Management System (HRMS)** with a focus on the **Leave Management module**, collaborating closely with the backend team on Python-based API design.
- Assisted in building and testing **RESTful APIs**, ensuring seamless data flow between the frontend and backend systems.
- Performed thorough **unit testing and debugging** using tools like **Postman**, improving API reliability and project stability during sprints.
- Actively supported the tech team by identifying code issues, optimizing backend logic, and participating in discussions on implementation strategies.

Projects

Email Automation Tool – Bulk Personalized Email Sender

- Built a full-stack web app to send **personalized bulk emails** via Excel uploads using **custom SMTP configuration**, with secure **JWT-based authentication** and real-time email status tracking.
- Developed backend APIs with **FastAPI**, handling Excel parsing, batch processing, SMTP validation, and logging using **MongoDB Atlas**.

- Designed a responsive, mobile-friendly UI using **React**, **Tailwind CSS**, **shadcn/ui**, and integrated **Redux Toolkit** for global state management across auth, SMTP, and email logs.
- Accelerated development with **Cursor IDE**, **GitHub Copilot**, and implemented error handling, validations, and background job queues to improve reliability and user experience.

Engineering Resource Management System

- Designed and developed a full-stack system to manage **engineer assignments**, **project tracking**, and **capacity visualization** with **role-based dashboards** for Managers and Engineers.
- Built secure **RESTful APIs** using **Node.js (Express)** with **JWT authentication**, **role-based access control**, and **MongoDB** for storing user, project, and assignment data.
- Created responsive, mobile-first UI using **React (TypeScript)**, **Zustand** for state management, **Axios** for API integration, and **Tailwind CSS + shadcn/ui** for UI components.
- Implemented features like **capacity tracking**, **assignment timelines**, **engineer CRUD**, and **project management**, optimizing performance with **memoization**, **lazy loading**, and efficient state updates.

Anythingz – Multi-Role Super App (Inspired by Swiggy/Zomato)

- Built complex, **role-based UIs** for Admins, Store Managers, Customers, and Delivery Personnel using **React.js**, **Redux**, and **Axios**, focusing on modularity, real-time interactivity, and mobile-first responsiveness.
- Integrated and tested APIs developed in **Laravel/PHP**, managing full frontend-side validation, dynamic data handling, and secure request flows for order management, inventory, and delivery tracking.
- Engineered fully responsive and dynamic interfaces with **custom-designed UI components**, implementing pixel-perfect layouts and business-specific styling tailored to real use cases in grocery, pharmacy, and hardware delivery.
- Collaborated in a 2-person frontend team within a startup environment to streamline **multi-step flows**, optimize performance, and simulate production-ready workflows for a scalable e-commerce architecture.

Education

Gurukula Kangri(Deemed to be University)

BTech in Computer Science And Engineering

2019 – 2023

Haridwar, Uttarakhand

Sri Chaitanya Junior College

Class 12

Jun 2017 – April 2019

Vijayawada, Andhra Pradesh

Sri Chaitanya Techno School

Class10

May 2016 – April 2017

Madanapalle, Andhra Pradesh

Technical Skills

Languages: Python, JavaScript (ES6+), TypeScript, HTML5, CSS3, Sass, MySQL, DBMS, OOP

Frameworks & Libraries: React.js, Redux Toolkit, Django, FastAPI, Laravel (API integration), .NET MAUI, Blazor, Bootstrap, Tailwind CSS, Material UI, ShadCN/UI, Axios, Express.js

Databases : PostgreSQL, MongoDB, Mongoose

Tools & Platforms : VS Code, Visual Studio, GitHub, SVN, Postman, Cursor IDE, GitHub Copilot, Lovable AI, Vercel, Render