

Darshan Panchal

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SUMMARY

Frontend Developer with 1.9 years of experience in building **scalable web and desktop apps** using **Angular, React** and **Electron.js**. Skilled in **responsive UIs, RESTful API integration**, and state management with **NgRx, RxJS** and **Redux**. Experienced in performance optimization through lazy loading, AOT, and **real-time data handling** with **WebSockets, SSE, Firestore DB** and **CouchDB**. Strong team player with Agile expertise, focused on writing **clean, efficient, and maintainable code**. Always learning new technologies to build robust, user-friendly applications.

WORK EXPERIENCE

Programmer Analyst @Dosepacker India LLP (Meditab Group of Companies)

Mar 2024 - Present

- Designed and developed **Angular** and **React** projects emphasizing architectural principles and leveraging modern frameworks, ensuring clean code, reusability, and on-time delivery.
- Implemented **WebSocket** technology for seamless **real-time communication** with the backend, enhancing overall performance and user experience. Streamlined project workflows, enhancing overall efficiency by **25%**.
- Upgrade of Angular app from **v6** to **v14**, refactoring codebase, resolving dependencies, and adopting new features.
- Built reusable components and shared modules in Angular and React, reducing **code redundancy** by **30%**.

PROJECTS

Dosepacker Portal

- Developed a web application for managing drug and canister inventory with robotic integration for filling cyclic blister packs and verification, streamlining medication management for long-term care facilities.
- Streamlined medication management, enhancing efficiency. Improved project quality and performance through **testing** and **optimization**. Integrated robotic systems, reducing manual errors.
- Built reusable components and shared modules in Angular and React, reducing **code redundancy** by **30%**.

Dosepacker Robot Utility

- Developed an **Electron.js** and **Angular**-based desktop application for managing and communicating with the DosePacker Robot, as well as maintaining the entire system in real time using **couchDB**.
- Responsible for enhancing robotic system functionality and overall application performance.
- Improved robotic system operations by developing streamlined workflows and additional features. Upgraded project dependencies to enhance **quality** and **performance**. Refactored code to reduce **memory leaks** and **minimize load times**.

Orchestrate

- Developed a responsive web portal using **React.js** to configure and visualize **drug dimensions** for canister creation. Allowed pharmacists to submit dimension updates dynamically.
- Built dashboards to monitor firmware and operational status of pharmacy stations, reducing troubleshooting time and improving visibility across locations.
- Integrated with **Firestore** to fetch and display drug images, improving visual clarity and accuracy in drug identification. Utilized Firestore as a bridge for real-time communication between drug dimension devices and the central server.

Bottle Sorter Interface:

- Built using **Angular**, this UI allows scanning of **NDC codes** to retrieve bottle location in **real-time**, showing picker status and retrieval time via **CouchDB** feeds.
- Integrated with a custom **notification microservice** to display error messages and actionable alerts across multiple portals using a JSON-based config.

ADDITIONAL INFORMATION

- Languages:** Angular, React, Electron JS, TypeScript, JavaScript, HTML, SCSS.
- Tools:** Git, Linux, VS Code, Jenkins.
- Frameworks & Libraries:** Angular, Electron, ReactJS, PrimeNG, PrimeReact

EDUCATION

- Narnarayan Shastri Institute of Technology | Ahmedabad, Gujarat**
Computer Science Engineering (2020-2024)
- HSC - 83.60% | Panchamrut International Public School
- SSC - 88.00% | VIP International School