

## Skills

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**Technical Skills:** JavaScript, TypeScript, React.js, Redux, Node.js, express.js, GitHub, PostgreSQL, MongoDB, HTML, CSS

**Product Skills:** Visitor Management, Identity Management (Role-Based), Healthcare Visitor and Patient Management

**Tools Used:** GitHub, Jira, VS Code

## Experience

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### SDE-2, Start Up Farms IT Pvt Ltd – Chandigarh | June 2024 – Present

- Integrated **React Router** to optimize client-side navigation, resulting in cleaner route architecture and faster, more maintainable routing .
- Refactored existing **JavaScript code to TypeScript**, introducing strong typing and reducing runtime errors across the codebase.
- Worked on a unified **Redux store** with **Redux Toolkit and Thunks** to streamline state flow, reduce unnecessary re-renders, and improve key performance metrics.
- Integrated **Google OAuth 2.0** with JWT-based authentication and cookie-backed session storage, used **Node + Express** and **jsonwebtoken**, and **React Context** to provide secure, scalable, and persistent login flows.
- Developed an **NDA-signing component** backed by a **Node.js–Express microservice** with **MongoDB (Mongoose)** and **Redux Toolkit** for reliable UI state management.

### SDE-1, Start Up Farms IT Pvt Ltd – Chandigarh | July 2022 – June 2024

- Implemented real-time translation for invitation forms by integrating **React state management with a translation API**, delivering seamless and accurate multilingual support.
- Applied **memoization with React.memo, useMemo, useCallback, and PureComponent**, improving rendering efficiency by 20%.
- Debugged and optimized components with **React Profiler and react component extension tools**, eliminating unnecessary re-renders.
- Enhanced **responsiveness** with adaptive layouts and UI optimizations for web, mobile, and iPad

### Intern, PackBagBuddy – Remote | June 2021 – August 2021

- Worked on a **tour booking website** using HTML, CSS, and JavaScript.

## Education

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**UIET ,Panjab University** – BTECH in Computer Science

May 2018 - May 2022

**The British School** – Graduation

Jan 2017 - May 2018

## Projects

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### Workout Tracker | Typescript • React.js • Redux Toolkit • Node.js • Express.js • PostgreSQL • GraphQL

- OAuth 2.0 • JWT ([working link](#))

- Implemented **JWT-based authentication** to enable secure user login, authorization, and token validation.
- Integrated **Google OAuth 2.0 authentication** for seamless and secure third-party login.
- Designed and developed multiple **Node.js–Express microservices** with **MongoDB** and **Mongoose schemas** for entities such as **Workout, Exercise, ExerciseSet, Set, and User**.
- Built an interactive **Workout Creation screen** allowing users to add workouts with **multiple exercises and dynamic sets**, managed using **Redux state management**.
- Implemented a **per-set workout timer** using React state management to track workout duration accurately.
- Developed a **GitHub-style workout tracking grid** to visualize workout history; enabled drill-down functionality to view detailed workout data on user interaction.
- Utilized **Redux Toolkit and Context API** for efficient global state handling, minimizing unnecessary re-renders and improving performance.
- Implemented **responsive UI design** using Context-based layout control and **CSS media queries** to ensure seamless usability across devices.
- Deployed a **production-ready application** with the **frontend hosted on Vercel** and the **backend deployed on Render**, ensuring high availability and seamless integration.

### E-commerce Website | Node.js, React.js, Redux, MVC, Mongodb ([github link](#))

- Developed a full-stack e-commerce platform with product, role, and order management using **Node-Express microservices and MongoDB with Mongoose schemas**, while implementing **Redux** for robust UI state management.
- Implemented **JWT-based authentication** for secure login and token validation.
- Built **CRUD operations** and integrated **cart/checkout features** with Razorpay for online payments.
- Enhanced **UI/UX for product management and checkout**, improving user experience.

### Portfolio Website | React.js, HTML, CSS ([working link](#))

- Engineered a modern, responsive portfolio using **React.js**, emphasizing performance, scalability, and clean UI architecture.
- Leveraged **Context API for responsive design control**, enabling dynamic layout adjustments based on device type.
- Improved frontend performance by optimizing state management and reducing redundant component re-renders.
- Delivered a production-ready deployment via **Vercel**, ensuring fast load times and high availability.