Pardeep Sharma
Senior Software Engineer

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Professional Summary

Results-driven Senior Software Engineer with **5+** years of experience in building performant, scalable, and user-centric web applications. Over the past **2** years, focused on **full-stack** development using **ReactJS,Expressjs, Python (Flask/FastAPI)**, and **MongoDB**, delivering robust solutions end-to-end. Proficient in developing responsive UI components, optimizing frontend performance, and implementing secure, RESTful APIs on the backend. Experienced in cross-functional collaboration, Agile workflows, and building fast-loading, production-grade applications.

Key Skills

- **Frontend:** ReactJS, Redux, JavaScript, TypeScript, HTML5, CSS3, Bootstrap, MUI, PrimeReact
- **Backend:** Express.js, Python Flask, FastAPI, MCP Server
- **API & Protocols:** GraphQL, REST, WebSocket, JWT
- **Database:** MongoDB
- **Tools & DevOps:** Git, GitHub, Docker, GitHub Actions (CI/CD)
- **Testing:** Jest, React Testing Library
- **Soft Skills:** Strong communication, teamwork, problem-solving, documentation

Professional Experience

Full Stack Developer

Nov 2024 – Present

Project: RideApp

Designed and developed a full-stack peer-to-peer ride-sharing platform enabling users to register as drivers or passengers, publish or book rides, communicate in real time, and manage bookings efficiently.

Tech Stack: React.js, FastAPI, MongoDB, SQLAlchemy, Socket.IO, WebSocket, JWT Auth (HTTP-only Cookies), REST APIs, Axios, Python, Docker, Git

- **Role-based Login** with secure JWT (HTTP-only cookies) for drivers and passengers.
- **Ride Publishing & Booking** system with real-time status updates.
- **Live Notifications** using WebSocket (Socket.IO) for ride requests and responses.
- **Offline Notification Sync** via DB to show missed messages after login.
- **Real-time Chat** between driver and passenger (WebSocket-based).
- **Responsive UI** with role-specific dashboards using React.js and Tailwind CSS.
- **RESTful APIs** built with FastAPI and MongoDB for scalable backend services.

Inventory Management Module

- Designed and implemented product management functionality allowing users to **add, edit, delete, and search products**.

- Utilized **GraphQL queries and mutations** for CRUD operations, improving efficiency over REST by reducing overfetching and enabling precise data fetching.

- Developed UI components using **ReactJS**, integrated with **Apollo Client** for seamless state and cache management.

- Optimized search functionality using GraphQL filters and variables to handle large product datasets dynamically.

WalkingTree Technologies Pvt. Ltd. | Jan 2022 – Oct 2024

Full-Stack Developer (Reactjs,Expressjs,Python, Websockets)

GE(General Electric) SCADA

- Developed reusable and optimized **ReactJS** UI components to ensure maximum speed and scalability.

- Implemented responsive UI design across devices for real-time SCADA dashboards (GE-SCADA NXT).

- Ensured technical feasibility of UI/UX designs in collaboration with design and backend teams.

- Worked with WebSocket's for real-time turbine monitoring and alerts.

- Participated in Agile development cycles with version control using Git and GitHub.

Ask Here First (AI-based Application)

- Built a fast, interactive user interface using **ReactJS and Redux** to support NLP-based data queries.

- Handled async data fetching and dynamic updates using Axios and React hooks.

- Contributed to backend development using **Python (FastAPI)** for API integrations and data services.

- Ensured application performance, accessibility.

AgenTree

- Developed a dynamic frontend using **ReactJS** to interact with an AI-powered agent system for real-time task automation using **Websockets** and query resolution.

- Built backend services using **Python (FastAPI)**, leveraging **LangChain** to integrate LLMs (like OpenAI) and implement context-aware agent workflows.

Qritrim

- Developed reusable, modular UI components using **ReactJS** to support data workflow automation tools.

- Integrated **GraphQL APIs** for efficient client-server communication, including schema-driven querying and mutations.

- Collaborated with the backend team to design and consume GraphQL queries for dynamic data visualization.

- Ensured frontend handled nested and relational data efficiently using Apollo Client.

Shriv ComMedia Solutions | May 2021 - Sep 2021

Reactjs Developer

NE(Never Ending) Game

- Developed an interactive multiplayer word game using **ReactJS**.

- Integrated RESTful backend APIs, implemented responsive UI, and ensured cross-browser compatibility.

Pre-Incorporation Fintech Startup (led by ex-COO of Security Weaver Software Pvt. Ltd. Chandigarh)| Jun 2015 – Aug 2018
Software Engineer – "Profit Alert" Project

- Developed and maintained the **ReactJS front-end** for a proprietary stock-market prediction platform.

- Designed and implemented **C# modules/algorithms** for analysing planetary data (Sun, Moon, Earth and other planet positions) to predict market trends.

- Collaborated directly with the **founder (ex-COO of Security Weaver Software Pvt. Ltd.)** during the company's **pre-incorporation phase** to take the product from concept to MVP.

  (Startup project did not incorporate commercially; experience letter available upon request.)

Education

- **MCA (Master of Computer Applications)** – Thapar University, Patiala – CGPA: 8.26 – 2015
- **BSc (Bachelor of Science)** – Punjabi University, Patiala – 2012