

Ashish Shejwal

Software Developer

Work Experience

Software Developer @ NovaTekno Systems

MAR 2024 - JAN 2025 (11 MOS)

Mobile & Web (PWA) App Development for Embedded Medical Device

- Led React Native app with multiple flavors and device storage detection. Implemented PDF report generation and improved app stability using React Native Testing Library and MobX.
- Architected real-time medical dashboard with D3.js (heatmaps, time-series graphs). Set up TypeScript + Vite web app with ESLint, Prettier, and Husky. Refactored codebase into reusable modules to reduce tech debt.
- Migrated app from React Native to PWA for cross-device support. Ported AES-CBC/SHA-256 Python logic to Web Crypto API for secure device communication. Designed hybrid Bluetooth architecture using Web Bluetooth API, later transitioned to a FastAPI-based local server for iOS support.

Software Developer @ Panga Productions

OCT 2023 - FEB 2024 (5 MOS)

Indianized version for ticktock Mobile App

- Developed pixel-perfect screens from Figma designs and integrated backend APIs for a seamless user experience.
- Enhanced Reels UI with smooth animations using React Native Reanimated.
- Used FFmpeg to trim, merge, and compress videos locally, enabling lightweight short-form content editing.
- Maintained UI consistency and optimized performance across devices.

Software Developer @ Exits Consultancy

MAR 2020 - JUN 2023 (3 YEAR 2 MOS)

Successfully managed multiple projects simultaneously, including:

- EV Charging Dashboards - Developed electric vehicle charging station dashboards with status monitoring, analytics, billing systems, user authentication, and reservation features, boosting infrastructure efficiency.
- Secure File Rendering App - Engineered a secure file rendering application with JWT authentication, GPU/CPU utilization tracking, interactive charts, and a user-friendly file manager UI.
- E-Commerce Applications - Built and deployed Caratlane type platform with Next.js, including product listings, shopping carts, order management, search/filter options, and wishlist features also admin to manage this dynamically.

Contact

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Education

Bsc(CS) @ University of Mumbai

COMPLETED FY AT

JVM MEHTA COLLEGE (JUNE 2020- 2021)

Skills

- Languages - TypeScript Python
- WEB APPS - React, Next.js
- Mobile Apps - React Native,
- Backend - Express NodeJS Fast API
- Databases: MongoDB, PostgreSQL
- State Management - Redux Toolkit, MobX, Zustand
- Communication - Socket.io, WebRTC
- Testing - Vitest, Jest, Cypress, React Native Testing Library
- Visualization - D3.js, Chart.js
- Animation - Framer Motion

Tools

- Operating Systems: Windows, Linux
- Linux Distros - Debian, Arch
- Cloud - AWS, Firebase, Vercel
- Containerization - Docker
- Project Management: Atlassian Clickup
- Build Tools: Webpack, Parcel, Vite
- Version Control: Git, Github, Bitbucket
- API Testing: Postman
- Package Managers: NPM, Yarn, PNPM
- Design: Figma