

MD FARHAN

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Summary

Software Engineer with 4+ years of experience in React.js, JavaScript, TypeScript, Next.js, Node.js, Express.js, and MongoDB. Specialized in building offline-first, cross-platform PWAs with service workers, IndexedDB, and Vite. Delivered high-performance applications for 200+ users with measurable gains in load time and deployment efficiency. Experienced in REST APIs, SQL, Redux, AWS, Docker, CI/CD pipelines, and Agile environments.

Work Experience

Software Engineer, VSM Software Private Limited May 2024 – Present

- Architected and led frontend development of KEA Expense and KEA DCR as cross-platform PWAs serving 200+ pharmaceutical representatives across web, Android, and iOS
- Built offline-first architecture using service workers and IndexedDB, improving load time by 35% and enabling seamless functionality in low-network environments
- Developed a unified React.js codebase with PWABuilder, reducing development time by 40% across all platforms
- Migrated project management from Jira to GitHub Projects for a team of 18–20 developers, saving approximately \$2,000+ annually

Software Engineer, 3Five8 Technologies Private Limited Aug 2023 – Dec 2023

- Built responsive web applications using React.js, HTML5, CSS3, JavaScript, and Bootstrap, achieving 100% cross-device compatibility
- Optimized performance via code splitting and lazy loading, improving page load times by 30%

SDE L1, Unifo Private Limited Aug 2021 – Jan 2023

- Developed responsive web apps and landing pages using React.js, Material UI, and JavaScript for internal and client-facing projects
- Mentored 3 junior frontend developers in JavaScript, React.js, and modern web development best practices

Skills

- **Frontend:** React.js, TypeScript, JavaScript, ES6+, HTML5, CSS3, Tailwind CSS, MUI, Bootstrap, Shadcn/UI, Vite, React Router, PWA Development, Responsive Design, Lighthouse, Redux Toolkit, Context API.
- **Backend:** Node.js, Express.js, REST APIs, JWT Authentication, Multer, Middleware, API Integration
- **Tools & Testing:** Jest, Vitest, React Testing Library, Workbox, Husky, Git, GitHub, GitHub Actions CI/CD, PWABuilder, Postman
- **Database:** MongoDB, SQL, IndexedDB, LocalForage
- **DevOps & Other:** Docker, npm, yarn, Agile Methodology, Webpack, Performance Optimization, Cross-Browser Testing, AWS, S3 Bucket, DynamoDB, EC2, IAM

Projects

ChatApp (SocketIO) — real-time chat application 🔗

- Implemented Firebase for authentication and authorization of the application, and the token is stored in the real-time database provided by Firebase.
- Integrated Socket IO to facilitate instantaneous bidirectional communication for sending and receiving chat messages.
- Implemented instant notifications to alert users upon message transmission promptly.

TweetX — Microblogging clone (React + Nodejs) 🔗

- Implementation of user authentication, tweet posting, and following/unfollowing functionalities, enhancing user engagement and interaction within the platform.
- Developed user profile pages showcasing key information such as Name, tweets, following, followers and profile picture, enhancing user visibility and interaction.

Education

B.Tech -Information Technology, Jun 2018 – Jun 2021
Sathyabama Institute of Science and Technology

Diploma - Computer Science, Paavai Polytechnic College May 2014 – May 2017