MOHAMMAD SHADMAAN ASIF

Staff / Lead Frontend Engineer — React • Next.js • TypeScript • Node.js • Frontend Architecture • Design Systems

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PROFESSIONAL SUMMARY

Frontend engineer with 10+ years building booking and e-commerce platforms in React, Next.js, TypeScript, Node.js, and Express.js. Owns architecture end to end — design systems, SDK abstraction layers, API orchestration, micro frontends, and monorepos — consolidating duplicated per-platform UI into a single codebase that serves iOS, Android, and desktop. That work has delivered 65% smaller bundles, ~45% faster page loads, and ~25% organic traffic growth. Leads through mentoring, code-review standards, and design-pattern guidance, and has taken the team from experimenting with AI-assisted development to shipping with it daily — Claude Code, Cursor, GitHub Copilot, MCP, and LLM integrations. Builds JavaScript and Node.js automation tooling independently.

PROFESSIONAL EXPERIENCE

Almosafer | Senior Specialist Engineer

Dubai, UAE | Aug 2021 – Present

Tech Stack: Next.js, React, Vue.js, TypeScript, Node.js, Express.js, Tailwind CSS, MobX, Zustand, React Query, Material UI, Jest, Playwright, Cypress, Monorepo (Lerna), Micro Frontends, REST / GraphQL / SSE, Docker, Kubernetes, GitHub Actions, CI/CD

- **Design system:** Architected 40+ reusable, pixel-perfect Next.js and React components on Material UI, cutting new-feature UI build time ~30% and giving iOS, Android, and desktop one consistent interface.
- **SDK architecture:** Decoupled presentation components from business logic behind an SDK abstraction layer, eliminating ~60% of duplicated logic across multiple client applications.
- **API & platform layer:** Built Next.js API routes and Express.js services for backend-for-frontend orchestration, aggregating downstream REST and GraphQL endpoints into optimized payloads for client consumption.
- **Platform & tooling:** Standardized monorepo (Lerna) and micro frontend architecture with containerized delivery on Docker and Kubernetes, shipping through CI/CD to AWS, Vercel, and Cloudflare.
- **State management:** Replaced ad-hoc patterns with a predictable, testable data flow on MobX and React Query, cutting state-related defects ~35% and shortening new-engineer ramp-up from weeks to days.
- **Booking & payments:** Built end-to-end booking workflows and payment integrations, engineering the responsive UI architecture behind the conversion funnel on web and mobile.
- **Real-time data:** Implemented client-store synchronization, WebSocket, and SSE-driven polling workflows that keep distributed pricing and availability consistent across clients under concurrent load.
- **Performance & SEO:** Reduced bundle size 65% and improved LCP ~45% through SSR, SSG, code splitting, lazy loading, profiling, and asset optimization, lifting organic traffic ~25%.
- **Quality & accessibility:** Raised test coverage to 80%+ with Jest, React Testing Library, Playwright, and Cypress; enforced usability, localization, and accessibility standards with UX/UI, cutting production defect escape ~40%.
- **Team leadership:** Mentored 6 developers and instituted structured code reviews and design-pattern guidance, reducing PR review turnaround ~50%.
- **AI-assisted delivery:** Drove team-wide adoption of Claude Code, Cursor, and GitHub Copilot alongside MCP-based tooling, AI-powered UI prototyping, and AI-assisted code review, accelerating feature delivery ~25%.
- **Stakeholder communication:** Translated architecture and delivery trade-offs into clear technical reporting that senior stakeholders could act on.

Hexaware Technologies | Senior Software Engineer

India | Nov 2020 – Aug 2021

Tech Stack: React, Redux, JavaScript, Webpack, Babel, REST APIs

- **Application delivery:** Designed and delivered a production React and Redux application from the ground up, establishing the Webpack and Babel build pipeline and a modular component architecture that cut initial load time ~30%.
- **Team leadership:** Led the frontend team and mentored 4 junior developers, building a review-driven culture that improved delivery consistency and reduced rework.
- **Quality & collaboration:** Partnered with backend engineers to resolve defects and harden the application, sustaining usability, accessibility, and performance standards across releases.

Infosys | Senior Consultant
India | Nov 2019 – Nov 2020
Tech Stack: React, Redux, JavaScript, Webpack, Babel

- **Modernization:** Developed a front-end web application in React with Redux, Babel, and Webpack, replacing legacy patterns with a modular component structure that cut UI duplication ~40%.
- **State architecture:** Implemented Redux actions and reducers to centralize application state and standardize component-to-component communication.

DXC Technology | Software Engineer
India | Nov 2016 – Nov 2019
Tech Stack: React, Redux, JavaScript, Webpack, Babel

- **Feature development:** Built and maintained React and Redux application features, wiring component communication through Redux actions and reducers.
- **Stability:** Diagnosed and resolved 100+ defects, improving application stability and release reliability across three years of continuous delivery.

PROJECTS

CompareFiles.net | Founder & Solo Developer | comparefiles.net
Next.js, TypeScript, Client-Side Processing, SEO

- **Product & architecture:** Built and launched a live, publicly available privacy-first JSON diff tool. All processing runs client-side — no data leaves the browser. Features ordered and unordered array diffing, JSON Pointer and ignore-path support, and a secure remote-fetch proxy for comparing remote files.
- **Ownership & growth:** Owned the full product lifecycle — strategy, architecture, UI/UX, SEO, and deployment. Ranks organically on Google for JSON comparison queries, driving steady user traffic without paid acquisition.

TECHNICAL SKILLS

Languages & Markup: TypeScript, JavaScript (ES6+), HTML5, CSS3 / SCSS, Tailwind CSS, JSX, CSS-in-JS, SQL

Frameworks & UI: React, Next.js, Vue.js, Node.js, Express.js, Material UI, Tailwind CSS, Bootstrap, Storybook, Web Components, PWA, Component-Driven Development, Responsive Design, Accessibility (a11y)

Architecture: Frontend Architecture, Design Systems, SDK & Reusable Component Libraries, Modular Architecture, Micro Frontends, Monorepos (Lerna), Microservices, Design Patterns, SOLID, Clean Code

State Management: MobX, Redux, Zustand, Context API, React Query, Client-Store Synchronization, Real-Time / Polling Data Flows

APIs & Data: REST APIs, GraphQL, WebSocket, SSE, Next.js API Routes, Express.js Services, Node.js API Orchestration, Distributed Systems Integration, Payment Gateway Integration, MySQL, PostgreSQL, MongoDB

Performance & SEO: SSR, SSG, Lazy Loading, Code Splitting, Profiling, Bundle & Asset Optimization, Core Web Vitals, SEO and Ranking

Testing & Quality: Jest, React Testing Library, Playwright, Cypress, Enzyme, Unit / Integration / E2E Testing, Code Reviews, Localization, UX/UI Standards Compliance

AI & Automation: AI-Assisted Tools, Claude Code, Cursor, GitHub Copilot, Coding Agents, Prompt Engineering, LLM API Integrations, AI-Powered UIs, Model Context Protocol (MCP), AI-assisted Code Review & Automation, JavaScript / Node.js Scripting

DevOps & Cloud: GitHub Actions, GitLab CI, CI/CD, Docker, Kubernetes, AWS, Vercel, Cloudflare, Heroku, Grafana Monitoring, Webpack, Babel, Git, NPM, Yarn

Leadership & Practices: Technical Leadership, Team Management, Mentoring, Cross-functional Collaboration, Agile / Scrum, Secure Development, Stakeholder Reporting, Figma / Sketch Collaboration

EDUCATION

Bachelor of Technology (B.Tech), Information Technology
Jawaharlal Nehru Technological University Hyderabad (JNTUH), India | 2016