

Muhammed Azhar

Frontend Engineer - AI Engineer

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SUMMARY

Frontend Engineer with 4+ years of experience in high-scale applications using React and TypeScript. Recently optimized onboarding and activation flows at Razorpay, a leading fintech/payments company, handling 5,000+ merchant sign-ups daily. Proven expertise in frontend architecture, automated testing, and performance optimization.

EXPERIENCE

FRONTEND ENGINEER

Aug 2024 — Jun 2026

Razorpay, Bengaluru

Online Payments Onboarding India POD

- Engineered FTUX V2 (First-Time User Experience), accelerating the time-to-first-transaction without degrading the main dashboard's rendering performance.
- Refactored CMMA (Case Management and Monitoring Application) workflows by decoupling heavy form components into isolated, state-managed micro-components, reducing friction in high-volume merchant activation.
- Architected and engineered an internal SDK for CMMA, owning the core library development and CI/CD deployments via GitHub Actions and Spinnaker.
- Contributed to Blade (Razorpay's core frontend library and open-source design system) and server-driven onboarding UI SDK, now powering 10+ onboarding applications.
- Achieved 80% E2E test coverage and 96% unit test coverage for onboarding flows using Playwright and Jest, significantly reducing post-release bugs.
- Provided 24x7 on-call support, debugging and resolving production issues that blocked merchant onboarding and activation.
- Engineered internal automation tools and debugging workflows, slashing merchant onboarding setup time from 40 to 7 minutes while simultaneously driving down production MTTR by ~40% during on-call incidents.

Revenue Realisation & Rize Incorporation POD

- Co-developed a config-driven onboarding micro-app for the Razorpay Rize program, engineering self-serve UI interfaces and integrating Sentry for real-time production error monitoring.
- Revamped the frontend UI for subscription setup and pricing workflows specifically within the Razorpay payment gateway, standardizing components to improve usability.

REACT DEVELOPER

Jan 2024 — Jul 2024

Scanntek Solutions, Dubai, UAE

- Modernized a legacy restaurant POS used across the UAE, Bahrain, and Oman, optimizing Core Web Vitals by slashing LCP through aggressive code-splitting.
- Re-engineered analytics dashboards with optimized data rendering, reducing frontend render overhead and improving real-time visibility for restaurant operators.
- Bootstrapped the initial Progressive Web App (PWA) architecture for the POS system, establishing the foundational configuration for future offline capabilities and native-like mobile performance.
- Developed and maintained frontend features across POS, employee management, and local-shop management products, adapting shared patterns across multiple applications.

FULL STACK ENGINEER

Aug 2022 — Dec 2023

Freelance

- Built and shipped web applications using React, Next.js, and TypeScript for clients in India and Saudi Arabia, owning frontend architecture, development, and deployment from inception to production.
- Improved frontend performance and maintainability across client projects by building reusable UI components and optimizing rendering and application workflows.

SKILLS

Frontend

React, Next.js, TypeScript, JavaScript (ES6+), GraphQL, Redux Toolkit, Zustand, React Query, CI/CD, Tailwind CSS, Accessibility (WCAG, ARIA), npm / pnpm, Responsive Design, Performance Optimization, Feature Flags

Familiar

Node.js, ExpressJS, REST APIs, MongoDB, PostgreSQL, Firebase, JWT, AWS (EC2, S3, CloudFront, Route 53), Docker, NGINX, Git, GitHub Actions, Spinnaker Pipelines

Tools & Quality

Sentry, Coralogix, Jira, DevRev, Playwright, Jest, A/B testing, Analytics instrumentation, Webpack

PROJECTS

Safely - Women Cab Booking	Live GitHub	2023
- Engineered an end-to-end transit platform using React, TypeScript, Redux Toolkit, and Express.js, integrating Google Maps and Mapbox for advanced geospatial rendering and real-time route tracking, Socket.IO for live chat, Stripe for payments, and AWS (EC2, S3) for scalable deployment. - Implemented secure, role-based authentication workflows utilizing Firebase, Google OAuth, and JWT to ensure strict data privacy, managing complex rider-driver schemas in MongoDB and styling the responsive UI with Tailwind CSS.		
AI Trading Automation (Ongoing)	Live GitHub Tech-Spec	2026
- Architecting a high-performance trading interface using React and GraphQL, integrating WebSockets for low-latency market data streaming, real-time signal visualization, and instant order execution. - Developing the core execution engine and algorithmic microservices utilizing Go and Python, integrating Redis for sub-millisecond state caching and PostgreSQL for robust trade performance tracking.		
Onbrand - AI Poster & Video Generation Platform (Ongoing)	Live GitHub Product-Spec	2026
- Architecting a multi-app AI design platform (Next.js admin/customer/marketing apps, NestJS API) to generate on-brand posters and short product videos from a user's website and uploaded references. - Designed a subscription-plus-credit pricing model and end-to-end UX specification for AI-driven poster/video generation, covering brand onboarding, multi-brand switching, and cost-transparent generation for agency and e-commerce users. - Scoped initial single-user architecture (auth, dashboard, no RBAC yet) as the foundation for a planned multi-tenant platform supporting agencies and teams.		
Yara - E-commerce	Live GitHub	2023
- Engineered a scalable e-commerce platform using Node.js, Express.js, and MongoDB, developing a responsive Server-Side Rendered (SSR) frontend with Handlebars and Bootstrap, while managing optimized media pipelines via Multer and Cloudinary. - Architected transaction and notification workflows by integrating Razorpay for payments, Nodemailer for alerts, and Puppeteer for dynamic invoice generation, deploying the highly available system on AWS EC2 behind an Nginx reverse proxy.		

EDUCATION

Bachelor of Computer Application	Jul 2019 — Jul 2022
<i>Kannur University, Kannur, Kerala</i>	

CERTIFICATIONS

IBM Generative AI	View Credential
React & AI Systems Integration	View Credential
Generative AI Software Development	View Credential
ReactJS Certification	View Credential
Professional Software Engineering Training	View Credential

LANGUAGES

English, Hindi, Malayalam