

Kartik Agrawal

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SUMMARY

Frontend Engineer (3+ yrs) specializing in React.js, Next.js, and TypeScript, with 10+ delivered web applications. Skilled in high-performance UIs, REST APIs, and scaling full-stack capabilities with Node.js and PostgreSQL.

SKILLS

- **Frontend & Architecture:** React.js, Next.js (App Router, SSR, SSG, ISR), TypeScript, JavaScript (ES6+), HTML5, CSS3
- **UI Libraries & Styling:** Tailwind CSS, shadcn ui, Ant Design, Material UI, Styled Components, Framer Motion
- **State Management & Networking:** Redux Toolkit, Context API, Custom Hooks, RESTful APIs, Postman, JWT Authentication & RBAC
- **Backend & Databases:** Node.js, Express.js, PostgreSQL, Prisma ORM, Server-Side API Routes
- **Performance Optimization:** Core Web Vitals (LCP, FID/INP, CLS), Dynamic Code Splitting, Route-based Lazy Loading, Tree Shaking, Component Memoization, Virtualized Lists, Asset Caching
- **DevOps, CI/CD & Version Control:** Git, GitHub, GitLab, GitHub Actions, Vercel, Jira, Bitbucket
- **AI Tools & Developer Workflows:** Cursor, GitHub Copilot, Claude Code, Prompt Engineering

EXPERIENCE

Sr. Front-End Developer

Dev Technosys (CMMI Level 3)

July 2024 – Present, Jaipur, Rajasthan

- **Architecture & Scale:** Architected an enterprise Next.js application using SSR and modular App Router architecture, supporting **50,000+ active users** within 30 days of launch.
- **Performance & Lead Generation:** Slashed page load times by **50%** via dynamic code splitting and asset optimization, while integrating Google Analytics pipelines to drive UI refactors that yielded **25,000+ customer leads**.
- **Security & Auth:** Engineered secure role-based access control (RBAC) and client-side route guards to restrict unauthorized access across sensitive administrative views.

Front-End Developer

Krikal Soft

January 2024 – June 2024, Jaipur, Rajasthan

- **E-Commerce Application:** Built a 15+ screen responsive e-commerce platform covering product discovery, cart flows, dynamic checkout, and admin oversight.
- **State Flow & Testing:** Standardized 12+ RESTful endpoints using Redux Toolkit and Postman to prevent cart race conditions, authoring unit tests to ensure transaction reliability.
- **Admin Systems & Performance:** Created administrative views with Ant Design featuring multi-parameter search, reducing initial client bundle size by **35%** through route-based code splitting.

Front-End Developer

Nextdynamix Tech

April 2023 – December 2023, Jaipur, Rajasthan

- **Component Library & Scalability:** Authored a reusable design system of 25+ accessible UI components using Styled Components and custom hooks, increasing development sprint velocity and standardizing application-wide design.
- **Resilience & Performance:** Built core user modules (ShoppingCart, UserProfile) featuring React Error Boundaries for fault tolerance, reducing initial load times by **25%** through memoization and code splitting.

PROJECT

AIE Platform

Dev Technosys (CMMI Level 3) • aie.ac • July 2024 – Present

- **Architecture & Scalability:** Architected role-based interfaces for large-scale user management using Next.js SSR and dynamic routes, cutting time-to-interactive by **40%** across desktop and mobile devices.
- **Design System & Reusability:** Built a reusable Material UI component library using custom design tokens, accelerating sprint feature velocity by **30%** while maintaining visual consistency across **20+ views**.
- **Forms, APIs & Analytics:** Developed dynamic registration and inquiry forms connected to **15+ RESTful APIs** with zero submission failures, while integrating Google Analytics event pipelines to lift lead capture by **25%**.

An online tournaments platform

bgmilover.in • February 2026 – March 2026

- **Platform Architecture:** Built and launched an esports tournament platform supporting 20+ responsive screens for live brackets, team registrations, and real-time leaderboards.
- **Real-Time Data Integration:** Connected 10+ RESTful APIs verified via Postman for real-time match data synchronization, leaderboards, and authenticated player sessions.

• **Mobile-First UX:** Structured mobile-first interfaces with Tailwind CSS and touch-optimized navigation, achieving sub-2-second load times across mobile networks.

EDUCATION

Bachelors Degree

Rajasthan University • 2018-2021

Higher Secondary

Rajasthan Board • 2017-2018

COURSEWORK

Certification in Front-End development & UI/UX

2022