

Ritesh Ranjan

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SUMMARY

Frontend Engineer with 4+ years building enterprise-scale B2B commerce and HR SaaS platforms in React, Next.js, TypeScript, and Angular. Architects reusable frontend platforms and design systems, owning features end-to-end from architecture to production with depth in performance optimization and micro-frontend architecture. Ships LLM-powered product features and leads code review and onboarding for frontend teams.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript (ES6+), HTML5, CSS3, SASS/SCSS, SQL
Frontend	React, Next.js (App Router, RSC, SSR/ISR), TanStack Query, Zustand, Angular, NgRx, RxJS
UI & Design Systems	Tailwind CSS, shadcn/ui, Storybook, design tokens, theming, WCAG accessibility, Angular Material, responsive design
AI Engineering	LLM product integration (OpenAI / Claude APIs), agentic AI workflows, MCP servers & connectors, prompt engineering
Build & Performance	Webpack (Module Federation), Turborepo, Vite, code splitting, lazy loading, tree shaking, caching, Core Web Vitals
Backend & Data	Node.js, REST APIs, GraphQL, PostgreSQL, Supabase (RLS, schema design), MySQL
Testing & DevOps	Vitest, Jest, React Testing Library, Cypress, GitLab, CI/CD (Jenkins, Azure DevOps), Cloudflare Workers, Vercel

EXPERIENCE

Knack Systems	December 2024 – Present
<i>Associate Consultant, Frontend Engineer</i>	<i>Remote</i>

- Architected a reusable, backend-agnostic **Next.js storefront framework** adopted as the internal platform for commerce builds, using slot/outlet composition so teams override any page region without forking templates or inheriting upgrade breakage.
- Designed and shipped its **design system of 72 production UI primitives** with design tokens, light/dark theming, and full WCAG support (keyboard operability, ARIA, reduced-motion), documented in 74 Storybook stories as the single source of truth for consumers.
- Engineered the data layer as **7 gateway adapters** (catalog, cart, order, auth, account, content, wishlist) with a composable normalizer chain and a mock adapter, enabling offline development and backend swapping behind one environment flag.
- Delivered the end-to-end commerce journey – PLP, PDP, cart, 4-step checkout, account, wishlist – across 44 components and 16 App Router routes on React Server Components, with a deliberate server/client boundary, ISR caching, and URL-driven filter state.
- Set the platform’s engineering standards – strict TypeScript, Turborepo orchestration, a **706-case automated test suite** (Vitest + React Testing Library) – and authored the integration guide that onboards new teams.
- Built **Smart Quick Order** solo, an LLM-powered bulk-ordering flow parsing free-form input into validated SKUs, cutting order-entry effort by 40% and approved by the client to replace manual entry in the Spartacus storefront.
- Migrated the Electrolux B2B storefront to SAP Spartacus and Avantor’s legacy ATG frontend to Angular, owning Quick Order end-to-end and optimizing the PDP with variant switching and an image normalizer to cut redundant API calls and improve render performance by 25%.

Brane Enterprises Pvt. Ltd.	September 2023 – December 2024
<i>SDE 1 – Frontend</i>	<i>Hyderabad</i>

- Migrated the platform to a **micro-frontend architecture** with Webpack Module Federation, reducing build and deployment times by 25%.
- Built end-to-end features for a low-code / no-code platform, extracting shared component patterns that consuming teams reused across modules.
- Implemented NgRx state management and RxJS-based API integration across platform modules, standardising async data flow and error handling.

Keka HR	January 2022 – September 2023
<i>Frontend Intern → SDE 1, Frontend</i>	<i>Hyderabad</i>

- Built and shipped features across the Workforce, Timesheet, and ATS modules of a B2B HRMS platform, owning development through deployment.
- Designed data-driven FusionCharts dashboards, **GPT-powered job description generation**, and a drag-and-drop Kanban board for the ATS hiring pipeline.
- Reviewed 30+ code submissions per sprint, mentoring junior engineers on review standards and frontend patterns.

PROJECTS

Aura – Personal Life OS	<i>Live / Next.js, React 19, TypeScript, Supabase (Postgres/RLS), Cloudflare Workers</i>
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- Solo-built a 4-module life OS (Finance, Travel, Career, Job Pipeline) on Next.js App Router, owning schema design, row-level security multi-tenancy, and deployment to Cloudflare Workers with cron-driven ingestion.
- Built the frontend: a dnd-kit Kanban with optimistic TanStack Query mutations over fractional rank keys so a reorder writes one row, plus MapLibre trip maps and a three.js career tree.

EDUCATION

Chandigarh Group of Colleges, Chandigarh	Apr 2018 – Jun 2022
<i>B.Tech in Computer Science and Engineering</i>	