

ARJUN SINGH

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 2+ years of experience shipping production systems end to end — Node.js/Fastify backends on PostgreSQL, Neo4j, and Redis, and React/Next.js/TypeScript frontends. Most recently architected core backend systems (authentication, social graph, feed, and asset storage) for a full-stack social/professional networking platform, alongside enterprise CMS-driven frontend work with Sitecore, Contentful, and Sanity. Comfortable owning a feature completely: schema design, API implementation, automated test coverage, and the UI that consumes it.

TECHNICAL SKILLS

Backend & Databases: Node.js, Fastify, Express.js, REST APIs, PostgreSQL, Knex, Neo4j (Graph DB, Cypher), Redis, Supabase, Java (Spring Boot)

Frontend: React, Next.js, TypeScript, Zustand, Redux, MobX, Context API, React Hook Form, React Router, Tailwind CSS, HTML5

Auth & Security: JWT (access/refresh rotation), Redis session management, RBAC, OTP rate limiting, AES-256-GCM encryption, Zod validation

Testing & QA: Vitest (unit + DB-integration), Playwright (E2E), React Testing Library, MSW

CMS & Commerce: Sitecore (OrderCloud), Contentful, Sanity, Strapi, Headless CMS

Cloud & DevOps: Vercel, Cloudflare Workers, AWS (EC2, S3), Docker, Git, GitHub, Jira, Nx Monorepo, pnpm Workspaces

Architecture: Headless Architecture, Composable Commerce, Microservices, Monorepo, Agile/Scrum

EXPERIENCE

Software Engineer — Full Stack July 2026 – Present

Updot — Pexit (professional networking platform)

- Designed and built a social-graph module (Circle) on Neo4j with the Cypher builder, powering connections, mutual-connection lookups, and recommendation candidates.
- Rebuilt the authentication system end to end: split access/refresh JWTs bound to Redis-backed sessions, AES-256-GCM token encryption, Redis-backed OTP attempt limiting, and a global Redis rate limiter.
- Built the Posts/Comments/Feed module on Fastify and PostgreSQL — visibility rules, blocking-aware feeds, media attachments, and HTML sanitization — and the matching React UI (feed, composer, comments, repost).
- Designed a multi-bucket asset/upload service on Supabase Storage and migrated Companies, Profiles, Listings, and Posts off legacy single-bucket storage.
- Built the Listings module's per-type service/DAL layers with location, category, and pagination filters, exposed via new REST endpoints and React pages.
- Authored OpenAPI/Swagger documentation for every backend module and drove test coverage — Vitest unit and real-Postgres integration tests, Playwright E2E — enforced via custom pre-commit/pre-push hooks in an Nx/pnpm monorepo.

Freelance Frontend Engineer Jan 2026 – June 2026

Self-Employed (Remote)

- Built and delivered client-facing web applications independently, managing the full project lifecycle from requirements to deployment.
- Developed HorizonVision Group — a Sanity CMS-powered landing page for a video production agency, enabling structured content management and fast iteration on marketing copy.
- Built PGSinKokrajhar — a full-stack PG accommodation booking platform using Next.js, Sanity CMS, and Supabase, featuring real-time availability and user authentication.

Software Engineer (Frontend / CMS-Focused) Aug 2025 – Dec 2025

Koru UX Design — JScape MFT SaaS

- Led frontend modernization using React and Next.js, building modular and scalable UI components integrated with Sitecore CMS.
- Redesigned 20+ enterprise screens, improving UX consistency and task efficiency by 25%.
- Collaborated with backend teams to design and integrate REST APIs for data-driven and CMS-driven workflows.

Software Engineer (Frontend / CMS & Commerce)Mar 2024 – Aug 2025

Incerto.ai

- Built scalable frontend applications using Next.js, React, and TypeScript for CMS-driven platforms.
- Integrated headless CMS solutions (Sitecore, Contentful, Sanity, Strapi) to enable dynamic content delivery.
- Developed composable commerce solutions using Sitecore OrderCloud.
- Implemented JWT authentication and RBAC for secure enterprise applications.
- Optimized performance using SSR/ISR and code splitting, reducing page load time by 30%.

KEY PROJECTS

Pexit — Full-stack professional networking platform

- Fastify/TypeScript backend (PostgreSQL, Neo4j, Redis) and React/TypeScript frontend in an Nx/pnpm monorepo; see Experience above for scope.

PGSinKokrajhar (pginkokrajhar.com)

- Full-stack PG booking platform built with Next.js, Sanity CMS, and Supabase. Features listing management, real-time availability, and role-based user authentication.

HorizonVision Group (horizonvisiongroup.com)

- Client landing page for a video production agency, built with Sanity CMS for flexible content modeling and seamless marketing-copy updates without code changes.

FTI Consulting (fticonsulting.com)

- Developed dynamic frontend components on a Sitecore CMS-based enterprise platform, integrating CMS-managed content into scalable Next.js applications.

Altudo (altudo.com)

- Contributed to migration from React to Next.js with Sitecore CMS, improving performance, SEO, and content-driven personalization.

Kohler Health (kohlerhealth.com)

- Built responsive frontend with Next.js and Contentful CMS, implementing dynamic content rendering and SEO optimization.

W5 Engineering (w5engineering.com)

- Developed CMS-driven UI using Sanity CMS, enabling flexible content modeling and real-time content updates.

EDUCATION

Full-Stack Development Program2026 – Present

Coding Ninjas (Java, Spring Boot, DevOps — In Progress)

Bachelor of Science (Computer Science)Nov 2020

Gauhati University — CGPA: 8.9/10