

KUNAL DAS

Software Engineer | Full-Stack Developer | React | Node.js | TypeScript | Next.js

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SUMMARY

Software Engineer with 1+ years of professional experience building full-stack web applications and RESTful APIs using React, Next.js, Node.js, TypeScript, PostgreSQL, and MongoDB. Delivered **10+ production modules** and 5+ client projects, improving API response times by **35%** through PostgreSQL optimization and Redis caching, and implementing secure authentication with OAuth 2.0 and Firebase Authentication.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Redux Toolkit, Zustand

Backend: Node.js, NestJS, Express.js, REST APIs, GraphQL, WebSockets, JWT Authentication, OAuth 2.0

Databases & ORMs: PostgreSQL, MongoDB, MySQL, Redis, Prisma, TypeORM, Drizzle ORM

DevOps & Cloud: Docker, AWS (EC2, S3), CI/CD, Nginx, Linux, Git, GitHub Actions

PROFESSIONAL EXPERIENCE

Software Engineer | WhiterApps

Jul 2025 – Present

- Engineered **10+ production modules** for customer-facing and internal applications using React, Next.js, Node.js, and TypeScript.
- Built **REST APIs and backend services** using PostgreSQL, TypeORM, and Redis, improving **API response times by 35%** through query optimization and caching.
- Implemented **OAuth 2.0, Firebase Authentication, Razorpay**, and automation infrastructure with browser-session management, proxy handling, and asynchronous processing; maintained **80%+ test coverage** with Jest.

Software Engineer Intern | WhiterApps

Jan 2025 – Jun 2025

- Developed production features using **React, Next.js, Node.js, PostgreSQL** across frontend and backend systems.
- Built **REST APIs** with Node.js and TypeORM; optimized PostgreSQL queries and **Redis caching** to improve backend performance.

Web Developer Intern | Oasis Infobyte

Aug 2024 – Sep 2024

- Developed a full-stack **food delivery platform** with customer interfaces, admin dashboard, **REST APIs**, authentication, and order-management workflows.

KEY PROJECTS

Code Connect – Real-Time Collaborative IDE [Live Demo](#) | [GitHub](#)

- Engineered a **real-time collaborative IDE** with synchronized code editing, shared terminals, live previews, GitHub integration, collaborative notes, and **WebRTC-based voice/video communication**.
- **Tech:** Next.js 15, React 19, TypeScript, Node.js, Express, Socket.IO, Monaco Editor, WebRTC, Tailwind CSS, GitHub API, Piston

Crusto – Full-Stack Food Delivery Platform [Live Demo](#) | [GitHub](#)

- Built an end-to-end **food delivery platform** with a custom pizza builder, real-time order tracking, Razorpay payments, and an admin analytics dashboard within a **4-week development cycle**.
- **Tech:** React, Node.js, Express.js, MongoDB, Redis, BullMQ, JWT, Razorpay

Curalink – AI Clinical Trial Discovery Platform [Live Demo](#) | [GitHub](#)

- Built an **AI-powered clinical trial discovery platform** integrating Gemini and OpenAI APIs to extract medical conditions and summarize research from ClinicalTrials.gov, PubMed, and ORCID using Next.js SSR/SSG; **reduced researcher search time by 70%**.
- **Tech:** Next.js, TypeScript, Node.js, MongoDB, Gemini API, OpenAI API, SSR, SSG

EDUCATION

Bachelor of Computer Application (BCA) | Dibrugarh University | CGPA: 8.5 / 10.0

Aug 2021 – Jun 2024