

BISWOJIT BISWAL

BACKEND DEVELOPER

Node.js | NestJS | TypeScript | PostgreSQL | MongoDB | Prisma | Redis

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PROFESSIONAL SUMMARY

Backend Developer with professional experience building scalable REST APIs and production-ready systems using Node.js, NestJS, and TypeScript. Skilled in PostgreSQL, MongoDB, Prisma, Redis, RBAC, WebSockets, webhooks, background jobs, caching, and third-party integrations. Experienced in EdTech, CMS, and Real Estate applications with Linux, Nginx, and PM2, plus frontend experience with React.js, Next.js, and Tailwind CSS.

TECHNICAL SKILLS

Backend: Node.js, NestJS, Express.js, TypeScript, JavaScript, Zod, REST APIs

Databases: PostgreSQL, MongoDB, Prisma, SQL, Database Design

Caching & Jobs: Redis, BullMQ, Cron Jobs, Background Processing

Security & APIs: RBAC, JWT, WebSockets, Webhooks, Swagger/OpenAPI, Postman

Testing: Jest, Unit Testing, Integration Testing

DevOps & Tools: Linux, Nginx, PM2, Git, Docker

Frontend: React.js, Next.js, Tailwind CSS, React Query, Redux, Shadcn, Rechart.js

PROFESSIONAL EXPERIENCE

KGN INFOTECH LLP | Full Stack Developer (MERN) | Jun 2025 – Present

- Developed scalable **REST APIs and backend systems** using Node.js, NestJS, and TypeScript, focusing on performance, security, and maintainability.
- Designed and optimized applications using **MongoDB, Prisma, Redis, and BullMQ**, implementing database optimization, caching, background jobs, cron workflows, notifications, and third-party integrations.

X-Strategy Services LLP | Software Developer Intern | Jan 2025 – Jun 2025

- Developed and maintained RESTful APIs using Node.js and Express.js in collaboration. Improved API and application performance by 30% through query optimization, caching, pagination, debouncing, and throttling.
- Managed content across five websites using Strapi CMS with authentication and error handling

PROJECTS

Blink Brand Solutions | NestJS, TypeScript, Prisma, MongoDB, Redis, REST APIs

Developed a scalable backend CMS for Services, Case Studies, News, Testimonials, Careers, and Newsletter content. Implemented validation, content reordering, Redis caching, API aggregation, transactions, and background jobs.

StudyNest / EdTech Platform | NestJS, TypeScript, Prisma, MongoDB, Redis, BullMQ

Built an EdTech platform with **RBAC, class scheduling, tutor availability, automated session creation, assignments, and real-time notifications** using cron jobs and background processing.

Dalala – Real Estate Platform | Node.js, NestJS, TypeScript, REST APIs, React/Next.js

Developed platform with role-based dashboards, property management, search/filter logging, and Admin Dashboard analytics. Implemented **Redis/BullMQ push notifications** and **WebSocket-based real-time chat and notifications**.

Education

Master of Computer Applications (MCA) | GD Goenka University | 2024

Bachelor's Degree (B.Sc.) | Fakir Mohan University | 2022