

SANANDAN GHIMIRE

Fullstack Developer | Backend Engineer

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SUMMARY

Backend developer with expertise in Node.js, focused on building scalable, secure, and high-performance systems. Experienced in API design and database architecture, with the flexibility to contribute across the full stack..

WORK EXPERIENCE

Timber5d Business Soutlions , Sinamangal ,Kathmandu

Aug 2025 – Feb 2026

Express.js, PostgreSQL, Prisma ORM, GraphQL, Redis | Next.js, Tailwind css , socket.io

Backend Lead Engineer

- Led a team of 4 backend developers to build a scalable multi-tenant ERP platform.
- Re-architected the platform from a monolithic system to a microservices-based multi-tenant architecture, enabling independent service scaling, better maintainability, and support for 5+ companies simultaneously.
- Reduced manual follow-up time by 70% by introducing automated follow-up tracking using remarks, lead categorization (Hot, Warm, and Cold), and status-based workflows for better visibility and task management.
- Increased order fulfillment efficiency by 50% by implementing an order-tracking system with status-based workflows, reducing manual bottlenecks and improving processing visibility across operations.
- Engineered a centralized production scheduling system enabling factory supervisors to dynamically manage production pipelines while allowing sales teams to monitor real-time order-processing stages and workflow progress, reducing order mismatches and scheduling conflicts by 70%.

Full Stack Developer

Feb 2025 – Jul 2025

- Developed full-stack application features using ExpressJS and Next.js for scalable and maintainable ERP development.
- Designed and implemented PostgreSQL database architecture using Prisma ORM.
- Built core ERP modules including CRM, inventory management, billing, and customer workflow systems.
- Integrated frontend and backend services to deliver seamless user experience and efficient data flow.
- Migrated the system from RESTful APIs to GraphQL, enabling flexible data fetching, reducing over/under-fetching, and improving frontend performance and scalability.

Elivate

Express.js, PostgreSQL, Prisma ORM, REST API, Redis | Next.js, Tailwind Css , Socket.io

Full Stack Developer (Junior)

Jul 2024 – Dec 2024

- Developed full-stack platform features using Node.js/Express and Next.js for +2 entrance exam preparation.
- Built and maintained RESTful APIs for quizzes, mock tests, study materials, and user progress tracking.
- Implemented secure authentication and role-based access control (RBAC) for students and administrators.
- Developed interactive exam and quiz modules with real-time result processing and analytics.
- Improved platform usability through seamless frontend-backend integration and optimized workflows.

Full Stack Developer (Internship)

Jan 2024 – Jul 2024

- Developed full-stack platform features using Node.js/Express, Next.js, and React for an IOE Notes web application.
- Learned to design and maintain RESTful APIs for notes management, content delivery, user interactions, and progress tracking.
- Learned to implement Google OAuth authentication and secure user access management for students and administrators.
- Learned to develop interactive content and resource management modules with optimized data handling and real-time updates.
- Improved understanding of frontend-backend integration and application workflow optimization in a real-world development environment.

PROJECTS

Hostel ERP & Booking System – Raica Boys Hostel

raicaboyshostel.com.np

- Developed a hostel management and booking system with room reservation.
- Built APIs for booking workflows, authentication, and student management.
- Improved hostel workflow management through backend automation.

Billing System (MERN STACK)

- Built a multi-tenant billing and inventory system for mini marts with RBAC support.
- Implemented concurrent bill generation/printing and daily, weekly, and monthly sales reporting.

EDUCATION

Bachelor In Computer Engineering
Himalaya College Of Engineering

APR 2022 – Present

KEY SKILLS AND TECHNOLOGIES

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|----------------------|-----------------|--------------------|
| • Express js/Node.js | • Digital Ocean | • Redis |
| • React.js/Next.js | • Docker | • Socket.io |
| • Nest.js | • Git/Github | • MongoDB |
| • Tailwind Css | • AWS | • MySQL/PostgreSQL |