Prajwol Ghimire

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TECHNICAL SKILLS

Languages: JavaScript/TypeScript, SQL, Python, HTML/CSS, C#
Backend Frameworks: NestJS, Node.js, Express.js, ASP.NET Core, FastAPI
Databases: PostgreSQL, TimescaleDB, SQLite, SQL Server, Redis
Dev Tools: Docker, Git, Swagger, Postman, VS Code, NGINX
Cloud/DevOps: GCP, CI/CD pipelines
Other: REST API, WebSockets, OAuth, JWT, Unit Testing, ML integration, RAG, LangChain, Vector DB

EXPERIENCE

Junior Backend Developer   Jan 2025 – Present
NeoYaan   *Balkumari, Lalitpur*

- Built backend for **Travories** travel platform using **NestJS** and **PostgreSQL**.
- Implemented real-time chat with **Socket.IO**, including typing indicators, read receipts, and online presence.
- Developed Role-Based Access Control (RBAC) and JWT-based authentication with Redis caching.
- Designed intelligent recommendation system using hybrid ML and semantic filters.
- Built AI chatbot with **LangChain**, **RAG**, and **Vector DB**.
- Wrote unit/integration tests using **Jest** and maintained modular code with CI/CD.

FullStack Intern   Oct 2024 – Dec 2024
Sciever Inc   *Chauni, Kathmandu*

- Built web apps with React and Node.js/Express using SQL databases.
- Designed UI/UX in Figma and collaborated for iterative improvements.
- Documented workflows and maintained clear communication with stakeholders.
- Debugged frontend/backend issues improving system reliability.

PROJECTS

PercipiLabs | *NestJS, TimescaleDB, ESP32, GCP, NGINX*   May 2025 – Present
IoT system monitoring environmental conditions and providing real-time crop recommendations.

- Engineered real-time rainfall and environmental monitoring using **ESP32**.
- Designed scalable, geo-tagged time-series storage with **NestJS** and **TimescaleDB**.
- Developed REST APIs and interactive React dashboard; deployed via Docker/**NGINX** on **GCP**.
- **Live:** www.percipilabs.me

NetQuest | *NodeJS, Express, MongoDB, Payment Integration*   Apr 2024 – Aug 2024
Futsal booking platform with dashboards and payment integration.

- Implemented secure payment integration for bookings.
- Built user/admin dashboards for bookings and futsal listings.
- Optimized session caching for fast data retrieval.
- Designed backend APIs using **NodeJS**, **Express**, and **MongoDB**.

EDUCATION

Bachelor of Software Engineering   Sep 2021 – Sep 2025
Pokhara University   *Lekhnath, Pokhara*