

PRADEEP TAMANG

Backend / Platform Engineer (Node.js, NestJS)
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GitHub | LinkedIn

PROFESSIONAL SUMMARY

Backend-focused software engineer with over three years of experience building and maintaining SaaS platforms and data-driven applications. Demonstrated experience in subscription billing systems, RESTful API development, and third-party integrations. Strong technical foundation in **NestJS, Node.js, TypeScript, and PostgreSQL**, with a focus on clean architecture, reliability, and maintainable codebases.

PROFESSIONAL EXPERIENCE

Backend / Platform Engineer

CloudProAI

Aug 2025 – Present

- Developing and maintaining backend services using **NestJS and Node.js** for SaaS applications.
- Designing and implementing RESTful APIs supporting core product features and integrations.
- Implementing background job processing to handle asynchronous tasks such as data processing and notifications.
- Integrating third-party services to extend platform functionality and improve automation.
- Collaborating with cross-functional engineers in an Agile environment, participating in code reviews and technical discussions.
- Contributing to database query optimisation and performance improvements across backend services.

Backend / Platform Engineer

App Technologies Pvt. Ltd.

Aug 2022 – Aug 2025

- Built and maintained backend systems for multiple SaaS and data-centric applications using **NestJS and Node.js**.

- Implemented **Stripe-based subscription billing**, including checkout flows and webhook handling for payment and subscription lifecycle events.
- Developed and optimised RESTful APIs supporting high-traffic frontend applications.
- Implemented background workers to handle asynchronous tasks such as notifications, billing events, and data synchronisation.
- Designed and maintained PostgreSQL schemas for multi-tenant applications.
- Integrated **AWS S3** for secure file and document storage.
- Improved system stability through structured error handling, logging, and monitoring.
- Collaborated closely with frontend developers to define API contracts and optimise data payloads.
- Mentored junior developers on NestJS patterns, TypeScript usage, and code quality standards.

MERN-Stack Instructor (Part-Time)

Dursikshya Education Network

Oct 2024 – Dec 2024

- Delivered hands-on MERN-stack training covering MongoDB, Express.js, React.js, and Node.js fundamentals.
- Designed practical coursework focused on REST API development, authentication, and database design.
- Guided students on Git workflows, debugging techniques, and real-world development practices.

KEY PROJECTS

DataToInsights.ai – Data Integration & Analytics Platform

Role: Backend / Platform Engineer

Tech: NestJS, TypeScript, PostgreSQL, Stripe, AWS

Live: <https://datatoinsights.ai/>

- Implemented **Stripe-based subscription billing**, including checkout flows, webhook handling, and customer subscription lifecycle management.
- Built and maintained **plan-based access control** to enforce feature limits and usage across tenants.
- Added and maintained multiple **database and SaaS connectors**, expanding supported data sources for the platform.
- Improved platform reliability through background worker optimisation and alert integrations.
- Contributed to scalable, multi-tenant backend architecture and secure API design.

MT Everest Limo – Ride Booking Platform

Role: Full-Stack Developer

Tech: NestJS, PostgreSQL, React.js, Stripe, AWS S3

Live: <https://www.mteverestlimo.com/>

- Implemented **Stripe subscription billing** supporting multiple plans with automated billing and webhook processing.
- Integrated Stripe Checkout to provide a secure and user-friendly payment flow.
- Refactored the React frontend to improve performance, structure, and maintainability.
- Built administrative features for subscription and customer management.
- Implemented email notifications for bookings, payments, and subscription updates.

MultiAgroVet – Agricultural Management System

Role: Full-Stack Developer

Tech: NestJS, PostgreSQL, React.js, TypeScript

Live: <https://multiagrovvet.com/>

- Developed an **admin dashboard** for inventory, orders, and content management.
- Built RESTful APIs for product catalogues, order processing, and stock updates.
- Implemented role-based access control for different user roles.
- Created reporting and visualisation features to support operational decision-making.
- Optimised database queries to significantly reduce dashboard load times.

Salon Management System – POS & Operations Platform

Role: Backend / Full-Stack Developer

Tech: NestJS, PostgreSQL, React.js

miamisalongroup.com

Live: <https://miamisalongroup.com/>

- Developed a **role-based POS and attendance management system**.
- Implemented staff attendance tracking and automated wage calculations.
- Built appointment and operational workflows to streamline daily salon operations.
- Reduced manual administrative effort through system automation.

EDUCATION

BSc (Hons) Computer Systems Engineering
University of Sunderland (Affiliated)

Relevant Modules:

Database Systems, Web Technologies, Software Engineering, Data Structures & Algorithms

ADDITIONAL INFORMATION

Languages: Nepali (Native), English (Professional)

Interests: Backend architecture, SaaS systems, performance optimisation, continuous learning