

PHURBA GYALZEN SHERPA

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SUMMARY **Backend Software Engineer** with 3+ years of experience building scalable, secure, high-performance backend systems. Expert in Python (Django, FastAPI) and Node.js (NestJS) with hands-on experience in REST & GraphQL APIs, microservices, event-driven architectures, and AWS deployments. Skilled in database optimisation, third-party integrations, and production support. Proven ability to improve system efficiency, reduce latency, and deliver reliable solutions in Agile teams.

WORK EXPERIENCE **Software Engineer (Backend), N.I.T.V Nepal Limited** **Sep 2022 – Jan 2026**

- Built scalable backend APIs using Django, FastAPI, and NestJS, supporting 50k+ daily users.
- Optimised RESTful & GraphQL APIs, reducing response times by 30%.
- Implemented JWT authentication & role-based access control for secure data access.
- Designed and maintained PostgreSQL/MySQL databases, including queries, indexes, and migrations.
- Containerised applications with Docker and maintained microservices architecture.
- Implemented event-driven processing using Kafka & RabbitMQ, improving request handling by 25%.
- Deployed backend services on AWS (EC2, S3, RDS), ensuring production stability.
- Collaborated with cross functional team in Agile teams to deliver features on time and maintain system reliability.

KEY SKILLS

- Languages:** Python | JavaScript | TypeScript
- Backend & APIs:** Django | FastAPI | NestJS | Express.js | REST | GraphQL | JWT | OAuth
- Databases:** PostgreSQL | MySQL
- Messaging & Streaming:** Kafka | RabbitMQ
- Cloud & DevOps:** AWS (EC2, S3, RDS, IAM) | Docker | Kubernetes
- Architecture & Practices:** Microservices | Event-driven systems | CI/CD | Agile/Scrum
- Tools:** Git | GitHub | Bitbucket | Jira | Postman | Swagger
- OS:** MacOS | Linux | Windows

EDUCATION **Bachelor of Science (Honours) in Computing** **Nov 2019 - Nov 2022**
Coventry University

- First Class Honours

WORK RIGHTS

- Temporary Skill Shortage (TSS) 482 – Subsequent Entrant Visa
- Full work rights in Australia

REFERENCE Available on request