Nishant Sapkota

Python | TypeScript | Backend Developer

Damak, Nepal | snishant306@gmail.com | 9801615642 | Portfolio | LinkedIn | GitHub

Professional Summary

Detail-oriented Backend Developer with 2+ years of experience specialising in TypeScript, Python, and frameworks like NestJS and Express.js. Proven track record in building scalable backend systems, improving performance by up to 40%, and implementing cloud-based solutions using AWS. Adept at API development, database management, and fostering cross-functional team collaboration to deliver high-quality products on time.

Skills

- **Languages:** TypeScript, JavaScript, Python

- **Frameworks & Libraries:** NestJS, Express.js, Prisma, TypeORM

- **Databases:** PostgreSQL, MongoDB, Redis

- **Tools & Platforms:** AWS (S3), Postman, Jira, Git, Bruno

- **Testing:** Manual QA

- **Others:** Agile Development, DSA

Work Experience

Software Engineer (Backend)   Acid Integrations Pvt Ltd
09/2023 – Present   Ontario, Canada (Remote)

- Designed and implemented scalable backend systems, reducing application response times by 30%.

- Developed and deployed over 25 RESTful API endpoints using NestJS and TypeScript, supporting seamless integration with frontend applications.

- Spearheaded database optimisation initiatives in PostgreSQL and MongoDB, reducing query latency by 20%.

- Mentored 3 junior developers, improving team productivity and code quality through regular code reviews and knowledge-sharing sessions.

- Collaborated with a team of 8 developers to deliver an enterprise-grade system that achieved a 99.9% uptime.

Software Engineer Intern (Backend)   Acid Integrations Pvt Ltd
06/2023 – 09/2023   Ontario, Canada (Remote)

- Developed and tested backend architectures for 3 real-time applications, achieving a 25% improvement in system performance.

- Implemented caching strategies with Redis, reducing server load during peak usage by 15%.

- Wrote comprehensive documentation for API workflows, enhancing team onboarding efficiency by 30%.

- Conducted end-to-end debugging and resolved 50+ reported issues to improve application stability.

Software Engineer (Backend)   Manage Vehicle Pty Ltd
04/2024 – 09/2024   Australia (Remote)

- Migrated a legacy PHP-based system to Node.js, cutting operational costs by 25% and improving maintainability.

- Built file management solutions on AWS S3, handling over 10,000 files monthly with 100% data integrity.

- Integrated 5 DVR systems into the existing ecosystem, expanding video-processing capabilities by 40%.

- Automated CI/CD pipelines, reducing deployment times from 2 hours to 20 minutes.

- Collaborated with a cross-functional team of 12 to deliver features that increased user satisfaction scores by 15%.

Education

Bachelor of Engineering in Computer Engineering
Madan Bhandari Memorial Academy Nepal   *01/2019 – Present*
Urlabari, Morang
Key Projects: Memo Management System, Student Information System (CampusConnect)

Projects

- **PyBlogger (2022):** A blogging platform built with Django, featuring a user-friendly interface and secure user authentication.

- **Character Certificate Management System (2022):** Built in Django, enabling efficient management and issuance of student certificates.

- **JobSeeker (2022):** Online job portal created with Django, offering dynamic job postings and applicant management features.

- **PU Result PDF to JSON (2022):** Python script to convert Pokhara University PDFs into JSON, facilitating seamless data integration.

- **SpotBee (2021):** Spotify to YouTube URL converter with batch processing capabilities.

Certifications & Roles

- **Leapfrog Technology Pvt. Ltd:** Student Partner (2023)

- **LOCUS, IOE Pulchowk:** Campus Ambassador (2023)

Languages

- **English:** Native/Bilingual Proficiency
- **Hindi:** Native/Bilingual Proficiency
- **Nepali:** Native/Bilingual Proficiency

Interests

Technology, DSA, Music, Current Affairs, Anime, Economy