

# KAMAL PANDIT

Software Engineer

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Backend Developer with a passion for building robust and scalable backend architectures. Skilled in developing efficient APIs and optimizing system performance. Committed to quality, maintainability, and continuous improvement in software development.

## SKILLS

**Backend & Frameworks:** Node JS (Express Js), Python ( Flask ), GraphQL, gRPC

**Databases & ORM:** MongoDB (Mongoose), Prisma, Sequelize

**Messaging & Queue System:** Apache Kafka, BullMQ

**Frontend & Web:** HTML, CSS, JavaScript

## WORK EXPERIENCE

### Software Engineer

Asterdio Inc.

Lalitpur

Sep, 2024 – Present

- Contributed to the development of multiple large scale software applications and web platforms, ensuring high performance, reliability and maintainability.
- Designed and improved microservices using **Node.js**, **Apache Kafka**, **gRPC** and **PostgreSQL** ensuring scalable inter-service communication and optimized workflow.
- Worked closely on backend architecture planning, feature development, debugging, production issue resolution.
- Participated in client requirement discussion, offering technical insights and converting business needs into technical specifications.
- Mentored new team members and interns, conducted thorough code reviews to improve code quality, consistency and adherence to best practices.
- Collaborated with product managers, designers and cross functional teams to deliver features in alignment with project timelines.
- Recognized by leadership for delivering work within estimated deadlines and contributing significantly to overall project efficiency and performance.
- Implemented improved logging, error-handling, and monitoring strategies, resulting in smoother deployment and reduced downtime.

### Associate Software Engineer

Asterdio Inc.

Lalitpur

Sep, 2022–Sep, 2024

- Developed backend system for real state and e-commerce platforms, focusing on performance, scalability and clean architecture.
- Contributed to system design, requirement analysis, feature implementation, and optimization of existing services to enhance overall system efficiency.
- Implemented intelligent search functionalities using score-based ranking algorithm to deliver accurate and relevant results to users
- Improved API responses times and data consistency through query optimization, caching strategies, and efficient schema design.
- Actively collaborated with senior engineers to refine architectural decisions, improve workflows and introduce best engineering practices across teams.
- Recognized as “Most Improving Team Member” for rapid learning, growth, high adaptability and impactful contributions to multiple projects.

## EDUCATION

### BSC. CSIT

Madan Bhandari Memorial College

Kathmandu

Aug, 2017 - Mar, 2022

## PROJECTS

### Buygro/Buyparts

- Designed and implemented RESTful backend services for product listings, user authentication, shopping cart, offers, discounts, schemes and order processing.
- Optimized API performance and reliability through structured route design, caching, strategies, validation layer, and query optimization.

### Argon e-attendance

- Developed comprehensive backend system for HR management including attendance, payroll, leave management, holidays and reporting.
- Designed leave approval workflows, holiday calendar, and payroll processing pipelines, ensuring accurate employee data managements