Pawan Raj Pandey

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SUMMARY

Aspiring Django backend developer with 1 year of industry experience contributing to scalable backend systems and real-time features. Familiar with microservices architecture and message queue systems like RabbitMQ & gRPC. Proficient in Django, REST APIs, and PostgreSQL. Comfortable working in Agile teams and always looking to grow through collaboration and practical coding experience.

PROFESSIONAL SUMMARY

- Contributed to scalable backend systems in a team environment using Django and DRF.
- Comfortable with Agile development practices and tools like ClickUp.
- Familiar with REST API development, backend debugging, and basic system architecture.
- Passionate about learning industry best practices and writing clean, efficient code.
- Consistently expanding knowledge in backend performance, security, and system design.

KEY SKILLS

Backend Development , API Development , API Integration , Unit Testing & Debugging , Collaboration & Communication , Agile Development, Microservices Architecture

TECHNICAL SKILLS

- **Languages:** Python
- **Frameworks/Libraries:** Django, Django REST Framework
- **Databases:** PostgreSQL, MySQL
- **Version Control:** Git, GitHub
- **Communication Protocols:** gRPC, REST
- **Real-time/Async Tools:** Django Channels, Redis, RabbitMQ
- **Project Management:** ClickUp

WORK EXPERIENCE

June 2025 – Present
Backend Developer – Zeta Labs, Kuleshwor, Kathmandu

- Working on a SaaS project with AI integration in microservices architecture using modern DevOps practices.
- Developing microservices using Django and gRPC for distributed system architecture.
- Building SaaS platform with AI integration for enhanced user experience.
- Handling asynchronous tasks with RabbitMQ for improved system performance.
- Implementing CI/CD pipelines for automated deployment and testing.
- Managing project workflows and sprint planning using Jira.
- Designing optimized PostgreSQL databases for efficient data management.
- Collaborating in cross-functional teams to deliver enterprise systems.
- Implementing secure authentication and Role-Based Access Control (RBAC).
- Building containerized applications using Docker for seamless deployment.

July 2024 - April 2025
Junior Backend Developer – Ayata Incorporation, Anamnagar

- Developed core backend features for the Attendance Management System (AMS), covering attendance tracking, shift scheduling, payroll logic, and employee communication modules.
- Built and maintained RESTful APIs using Django and Django REST Framework, ensuring clean and efficient communication with the frontend.
- Worked with RabbitMQ to implement asynchronous task queues for notifications and background jobs.
- Contributed to modularizing the system as part of a microservices transition, introducing gRPC for inter-service communication.
- Implemented role-based access control (RBAC) and real-time messaging features using Django Channels and Redis.
- Designed and optimized database schemas using PostgreSQL for performance and scalability.
- Integrated external systems including biometric and RFID-based attendance hardware for automated check-ins.
- Collaborated with frontend developers, UI/UX designers, and QA engineers in Agile sprints to deliver and refine features.

April 2024 - July 2024
Intern Backend Developer – Ayata Incorporation, Anamnagar

- Learned the basics of Django and Django REST Framework for building web applications and APIs.
- Gained experience in database design and management using PostgreSQL.
- Gained exposure to Agile methodologies and project management tools like ClickUp.
- Assisted in debugging and testing backend code to ensure reliability and performance.
- Developed an understanding of RESTful API design principles and best practices.

EDUCATION

2020-2024

BSc.CSIT – Bachelor of Science in Computer Science and Information Technology

St. Lawrence College (Tribhuvan University), Kathmandu, Nepal