Saugat Roka Magar

Backend Developer (Django)

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Profile

Backend developer with 2.5+ years of experience building Django REST Framework systems for e-commerce, delivery, travel, and e-learning products (400+ API endpoints across them). Strong in payment and third-party integrations, webhook-based system integration, query optimization, and Docker/GitLab CI/CD deployments to AWS. Currently acting as backend lead on my team: reviewing merge requests and mentoring junior developers.

Professional Experience

Backend Developer, *Sajilo Life Pvt. Ltd.* 03/2025 – Present
Pepsicola-32, Kathmandu

- Act as backend lead across e-commerce and delivery, travel (live), LMS (live), and CMS products with 400+ endpoints combined; review merge requests for 3 developers and have mentored 5 interns, 1 junior, and 1 mid-level developer.
- Integrated an e-commerce platform with a delivery aggregator using HMAC-signed webhooks and async processing: the delivery system replies 202 Accepted, creates the order in the background, and sends status webhooks back, so checkout never blocks.
- Modernized a legacy production codebase from Python 3.8 / Django 3.x to Python 3.12 and Django 5.2 LTS via dependency auditing and step-by-step regression testing.
- Built Khalti v2 and eSewa v2 payment flows with retry handling, plus admin tools for reconciliation and vendor payouts.
- Merged four per-branch GitLab pipelines into one rule-based pipeline (about 16 jobs to 9); deploy with Docker and Nginx to company servers and AWS, with Sentry monitoring and backups.

Independent Study and Project Work, *Self* 04/2024 – 02/2025
Learned Nginx and Django deployment on AWS EC2; added eSewa and Khalti payments to an e-commerce project.

Backend Developer (Intern, then Junior), *UpTechSys* 09/2023 – 04/2024
Dhumbarahi, Kathmandu
Built Django REST Framework APIs for school management and CMS platforms, with authentication, role-based access control, and PostgreSQL schema design.

Education

BSc.CSIT, *Nepalalaya College* 04/2020 – 06/2025
Kalanki, Kathmandu, Nepal
Final-year project: learning management system with an ML-based recommendation prototype.

Technical Skills

Backend
Python, Django 5.2 LTS, Django REST Framework, Celery, Redis, JWT authentication, role-based permissions, Swagger/OpenAPI, HMAC-signed webhooks

Integrations
Khalti, eSewa, Sparrow SMS, Google Maps, Gemini API, Tawk.to

DevOps
Docker, GitLab CI/CD, AWS (EC2, RDS, S3, IAM, ECR), Nginx, Linux, Sentry, scheduled database and media backups

Databases
PostgreSQL, MySQL; indexing and query optimization (select_related, prefetch_related, only/defer, custom managers)

Testing
pytest, Django test cases, working alongside a QA automation engineer

Projects

Travel and tourism platform
Live Django REST Framework, PostgreSQL, Celery, Docker, AWS. Backend and deployment for a Nepal-based travel platform.

E-commerce and delivery platform
webhook-based order integration, Khalti and eSewa payments, vendor payout and reconciliation tools.

Learning management system
Live Django, REST APIs, Gemini-powered chat assistant, Tawk.to live chat.

Centralized CMS
Wagtail CMS & Django backend enabling self-serve publishing across company web pages.

Personal Portfolio
Static HTML, CSS, and JavaScript site hosted on Cloudflare Pages. Built without a frontend framework for phone and desktop screens.

Courses

Python & Django Bootcamp, *Broadway Infosys* 03/2023 – 05/2023
Python Basics, Django basics, 3 projects, sample API, Project structure breakdown Shri Ganesh Marg, Kathmandu