

SAGAR DHOK

Backend Python Developer | Django, DRF, REST APIs

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Summary

Backend-focused Python developer with hands-on experience building REST APIs and role-based access control systems using Django and Django REST Framework. Strong foundation in authentication workflows, ORM query optimization, relational database design, and third-party API integration. Seeking an entry-level Python/Django backend role to build reliable, scalable backend systems.

Technical Skills

Languages: Python

Backend Frameworks: Django, Django REST Framework

API Development: REST APIs, Token Authentication, Role-Based Access Control (RBAC)

Databases: MySQL, PostgreSQL (basic)

Testing : Django TestCase, DRF APIClient

Frontend (Basic): HTML, CSS, JavaScript

Tools : Git, GitHub, Postman, Render (Deployment)

Projects

Smart ATS — Application Tracking System

[GitHub](#) | [Live](#)

- Designed and implemented a role-based backend system (ADMIN, RECRUITER) enforcing strict recruiter-level data isolation through permission classes and ownership-based filtering.
- Implemented invite-only onboarding (48h expiry) and password reset flows (15m expiry) using expiring tokens to strengthen authentication security.
- Designed a weighted resume scoring engine (50% skills, 30% experience, 20% keyword match) to standardize candidate evaluation.
- Enforced duplicate application prevention and soft-delete mechanisms to preserve data integrity and auditability.
- Developed structured unit and integration tests covering RBAC enforcement, token expiry validation, and critical application workflows

Tech Stack: Python, Django, DRF, REST APIs, MySQL, PostgreSQL

Movie Opinion Meter — Review & Rating Platform

[GitHub](#) | [Live](#)

- Designed a normalized relational data model with foreign keys and unique constraints to prevent duplicate votes, reviews, and likes.
- Optimized database performance by resolving N+1 query issues using `select_related` and `prefetch_related`.
- Integrated TMDb APIs to fetch and sync movie data, using Django's `update_or_create` to prevent duplicate records.
- Integrated an LLM-based API to generate AI-assisted movie reviews with structured prompt handling, response validation, and fallback logic.
- Developed unit and API tests (Django TestCase & DRF APIClient) covering authentication, permissions, data constraints, and edge cases to ensure backend reliability.

Tech Stack: Python, Django, DRF, REST APIs, TMDb API, LLM API, MySQL, PostgreSQL

Education

Bachelor of Computer Applications (BCA)

Shankarlal Khandelwal College, Akola (Sant Gadge Baba Amravati University)

CGPA: 7.44