

# Dilip Kumar

## Backend Developer — Python | Django | Node.js

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[GitHub](#) | [LinkedIn](#)

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## Professional Summary

Backend Developer with hands-on expertise in building scalable REST APIs (Python, Django, DRF, Node.js), asynchronous task handling (Celery, Redis), and cloud deployments (AWS EC2/S3, DigitalOcean). Proven record of improving API performance by 30%+, reducing manual work by 40%, and delivering real-world solutions for education and healthcare domains.

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## Technical Skills

- **Languages:** Python, JavaScript
  - **Frameworks:** Django, DRF, Node.js, Express.js
  - **Backend:** REST APIs, JWT, OAuth, Celery, Redis
  - **Databases:** MongoDB, PostgreSQL, MySQL
  - **Cloud & DevOps:** AWS EC2/S3, DigitalOcean, Docker, Git, GitHub Actions, GitLab CI/CD
  - **Tools:** Pandas, Pillow, Axios, Postman, Linux
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## Professional Experience

### Backend Developer — [NowAWave Technologies, Jodhpur](#)

January 2025 – Present

- Developed and optimized REST APIs for school management platform (3,500+ schools, 7,00,000+ students).
  - Improved API response time by 25% with query optimization and caching.
  - Implemented asynchronous tasks with Celery & Redis to reduce manual workload by 40%.
  - Managed MongoDB & PostgreSQL databases with data-driven enhancements.
  - Deployed updates to EC2/S3 and followed Git-based collaborative workflows.

### Backend Development Intern — Bugs & Glitches (Remote)

November 2024 – January 2025

- Built secure APIs in Django and Node.js with JWT-based authentication.
- Applied DB indexing & optimization to reduce query time by 20%.
- Contributed to backend/frontend integration and tested APIs with Postman.

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## Real-World Projects

### Kreedo — School Management Backend

- Backend for 3,500+ schools & 7,00,000+ students delivering skill-wise & subject-wise real-time analytics.
- Developed automated assessment scoring with Celery & Pandas to reduce manual work by 40%.
  - Improved API performance by 25% with optimized queries and Redis caching.
  - Designed game-based assessments & reporting to improve student outcomes.
- Have been working on this project for the last 6 months, gaining in-depth knowledge of the core architecture and business logic.

### CloudNest — Multi-Sector Cloud Management

- Scalable SaaS backend for schools & hospitals with multi-tenant architecture.
- Developed role-based auth & data models using DRF, Redis, and PostgreSQL.
- Implemented automated GitLab CI/CD deployments for rapid, error-free releases.
- Designed architecture for future scalability across domains (schools, clinics, businesses).

### Food Delivery Backend (Self-Project)

- Developed role-based auth with JWT using Node.js and MongoDB.
- Improved API latency by 15% with query optimization and DB indexes.

### Video Streaming Backend (Self-Project)

- Designed API for video upload/retrieval with JWT auth and Cloudinary integration.
- Dockerized app and deployed on DigitalOcean for scalability and uptime.

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## Education & Certifications

- [B.Com \(Finance & Economics\)](#) — [Jai Narayan Vyas University, 2021](#)
- Certifications: [MongoDB \(MongoDB Inc.\)](#), Django (W3Schools), [Python Core](#)

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## Core Competencies

System Design | Backend Architecture | API Optimization | Git & GitHub Workflows | Background Tasks & Scheduling | Cloud Deployments | Data Modeling

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