

NARENDRA KUMAR REDDY

Backend / Full-Stack Development Engineer | Python · PostgreSQL/MySQL · Secure APIs & Auth · Payments

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PROFESSIONAL SUMMARY

Backend/Full-Stack Engineer with 2.5+ years owning projects end-to-end — from client discovery and architecture through development, deployment, and ongoing server maintenance. Designed production database schemas, secure authentication systems, and order/payment workflows in PostgreSQL and MySQL, including role-based access control and data-isolation logic protecting customer and admin data, and Razorpay integration for secure payment processing. Independently built and now maintain five freelance production platforms, including a live donation and marketplace system processing ₹10L+ in transactions across 3,400+ registered users. Strong relational database fundamentals (schema design, triggers, data integrity, access-isolation policies) transfer directly to Postgres-based platforms like Supabase. Comfortable working directly with founders and technical leadership, and writing clear technical documentation.

TECHNICAL SKILLS

- Languages: Python, PHP, JavaScript, TypeScript, SQL
- Databases: PostgreSQL, MySQL — schema design, triggers, RBAC/data-isolation policies
- Frameworks: Django, FastAPI, CodeIgniter 4, React, Next.js
- Auth & Security: JWT, OAuth (Google, Facebook, Apple), Firebase Auth, RBAC, admin/session-gated routes
- Payments & Integrations: Razorpay, Payment/Wallet workflows, REST API Design, Webhooks
- Cloud / DevOps: Nginx, Linux Server Management, Jenkins, GitHub Actions, CI/CD
- Other: WebSockets, Git, Technical Documentation, Client & Stakeholder Communication

PROFESSIONAL EXPERIENCE

Software Engineer — Backend Developer | LHK Media Private Limited, Jaipur, India

Python (Django), PHP (CodeIgniter), REST APIs

- Designed and maintained production PostgreSQL/MySQL schemas and backend systems (Django, CodeIgniter) supporting order, product, and admin workflows for live client applications.
- Integrated Razorpay for secure payment processing, building order-to-payment logic and reducing failed-payment incidents.
- Implemented JWT/OAuth-based authentication and role-based access control (RBAC) to isolate customer data while granting granular admin permissions — data-isolation patterns directly analogous to Postgres Row Level Security.
- Built admin-facing CRUD operations for product, pricing, and content management, plus automated CI/CD pipelines (Jenkins, GitHub Actions) that cut manual deployment effort and release turnaround time.
- Partnered directly with clients and stakeholders to gather requirements, document system behavior, and ship production-ready features on schedule.

Python Developer Intern | Shaurya Unitech Private Limited, Udaipur, India

Python, MySQL, JavaScript, REST APIs

- Built and maintained backend modules in Django, contributing to core product features used in production.
- Implemented frontend–backend integration using JavaScript/AJAX, improving responsiveness of key user flows.
- Debugged issues across backend and database layers, improving application stability.
- Worked within Agile/Scrum workflows using Git for version control.

FREELANCE PROJECTS — INDEPENDENT, END-TO-END OWNERSHIP

Self-sourced and delivered as an independent freelance developer — full ownership from client discovery and architecture through development, deployment, and ongoing server maintenance.

Jeevdaya Foundation — NGO Donation & Animal Rescue Management Platform — jeevdayafoundation.com

- Built and maintain a full-stack platform with an admin dashboard tracking donations, campaigns, volunteers, and animal rescue operations in real time.
- Platform has processed ₹10L+ in donations from 3,400+ registered users, with live donation trend analytics and a top-donor leaderboard.
- Designed donation, campaign, and volunteer-management modules supporting active fundraising campaigns and rescue-story publishing.

Tech Stack: Python (Django), MySQL, Chart.js, REST APIs

ReachCalculators.com — Calculator & Utility Tools Platform — reachcalculators.com

- Sole developer of a large-scale content platform hosting 4,000+ calculators and utility tools across multiple categories.
- Own the full site architecture, tool logic, and content structure end-to-end, from backend to frontend.

Tech Stack: Python/PHP, JavaScript, HTML5, CSS3, SEO-optimized architecture

Campuscope.com — AI-Powered Student Success Platform — *in development*

- Architecting a full-stack platform combining academic tools (GPA/CGPA calculator, resume & SOP builders, citation generator), AI-powered learning features (AI study planner, quiz and flashcard generators, academic assistant), and academic resource databases (scholarships, internships, career roadmaps).
- Planning a programmatic SEO strategy to scale to hundreds of college, course, and scholarship landing pages to drive organic growth.

Tech Stack: Python (Django/FastAPI), AI/LLM integration, JavaScript, MySQL

StayUseful.in — Social Media Management Platform — *in development, pivoted from marketplace*

- Leading a full product pivot from a classifieds marketplace to a social media management platform, redesigning core architecture and data models to support the new direction.
- Rebuilding key modules from the ground up while carrying forward learnings from the original platform's user and data handling.

Tech Stack: Python (Django), HTML5, CSS3, MySQL

Geenionline.com — Student & Course Management System — geenionline.com

- Developed a full-stack system to manage students, courses, and certification records with a streamlined admin panel.
- Ensured data consistency and secure, role-based access to sensitive academic records.

Tech Stack: Python (Django), JavaScript, HTML5, CSS3, MySQL

EDUCATION

B.Tech — Artificial Intelligence & Machine Learning

Chandigarh Group of Colleges, Punjab, India | 2021 – 2024

Diploma in Mechanical Engineering

Loyola Polytechnic YSRR, Pulivendula, India | 2018 – 2021

LANGUAGES

English (Professional) | Hindi (Native) | Telugu (Native)