MAHESH SEELAM

Backend Developer – Python/Django

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PROFESSIONAL SUMMARY

Backend Developer with 3 years of production experience building high-performance Django/DRF APIs for government, ed-tech, and fintech platforms. Recognized by Tamil Nadu IT Department for delivering state innovation portal serving 200+ organizations. Specialized in PostgreSQL optimization (35% performance gains), Redis caching, and payment gateway integration processing ₹2Cr+ transactions. Known for strengthening security protocols and delivering reliable systems with 99.9% uptime.

TECHNICAL SKILLS

Languages & Frameworks: Python, Django, Django REST Framework (DRF), REST API Development,FastAPI

Databases: PostgreSQL, MySQL, SQL (query optimization, indexing, schema design)

Caching & Queues: Redis, Celery

Authentication & Security: OAuth2, JWT, role-based access control, secure coding practices

DevOps & Infrastructure: Linux, Nginx, Docker, Git, CI/CD, Gunicorn

Cloud Platforms: AWS (EC2, S3), GCP

Additional: WebSockets, Payment Gateways (Stripe, Razorpay), Logging & Monitoring (Sentry)

PROFESSIONAL EXPERIENCE

Backend Developer | DriveSync Technologies LLP   Jun 2025 – Oct 2025

- Built and maintained REST APIs for multi-tenant SaaS platform serving 5,000+ daily active users across 50+ organizations
- Improved API response times by 35% through PostgreSQL query optimization and Redis caching implementation in critical workflows

- Implemented Celery-based asynchronous task processing system handling 10,000+ scheduled operations daily
- Deployed and maintained production infrastructure on Linux servers with Docker containerization and Nginx reverse proxy

Backend Developer | LDev Technologies Pvt. Ltd.   Sep 2022 – May 2025

- Developed backend systems for 12+ client projects across government portals, ed-tech platforms, and e-commerce applications
- Delivered secure authentication flows using OAuth2/JWT for applications supporting 25,000+ registered users with 99.9% uptime
- Integrated Stripe and Razorpay payment gateways, enabling ₹2 Crore+ in successful transactions with zero security incidents
- Increased automated test coverage from 40% to 75% through rigorous code reviews and test-driven development practices
- Mentored 2 junior developers on Django best practices, API design patterns, and database optimization techniques
- Managed Linux server deployments with Nginx load balancing, maintaining 99.8% uptime across production environments

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KEY PROJECTS

ITNT Hub – Tamil Nadu Government Innovation Portal   Feb 2024 – Jan 2025

Link : https://itnthub.tn.gov.in/

Role: Lead Backend Developer | Tech Stack: Django, DRF, PostgreSQL, Redis, Celery, Linux, Nginx

- Built comprehensive REST API infrastructure for state-level innovation network connecting 200+ startups with government stakeholders
- Developed secure startup registration system, dynamic content management, and real-time analytics dashboards
- Implemented role-based access control (RBAC) serving multiple user types: startups, mentors, investors, and government officials
- Optimized database architecture to handle concurrent requests with sub-200ms response times
- Recognized with Certificate of Appreciation from Tamil Nadu ITNT Department for exceptional delivery and technical excellence

SpeedExam – AI-Powered Online Examination Platform   Nov 2024 – Sep 2025

Link : https://www.speedexam.net/

Role: Backend API Architect | Tech Stack: Django, DRF, WebSockets, Redis, PostgreSQL, Celery

- Architected high-availability REST APIs supporting AI proctoring, live monitoring, and dynamic question bank system for 10,000+ concurrent students
- Engineered WebSocket-based real-time notification system reducing exam processing latency by 45%
- Implemented multi-language support, automated test generation, and comprehensive result analytics
- Built secure exam delivery system with anti-cheating measures and encrypted question storage

ManaPanta – Farm Service Ecosystem   Oct 2024 – Jul 2025

Link : https://manapanta.in/

Role: Backend Developer | Tech Stack: Django, DRF, PostgreSQL, Redis, Firebase, Linux

- Developed unified backend infrastructure powering 3 Android applications: farm bookings, driver dispatch, and staff management for 2,000+ users
- Built real-time location tracking and notification system coordinating field operations across rural areas
- Integrated REST APIs with Flutter frontend enabling seamless cross-platform mobile experience
- Optimized API response times for low-bandwidth rural connectivity scenarios

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EDUCATION

Bachelor of Science in Computer Science (B.Sc CS) Palwancha, Telangana | 2019 – 2022 | Relevant Coursework: Database Management Systems, Web Technologies, Software Engineering, Data Structures

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CERTIFICATIONS & TRAINING

Python & Django Framework Development Naresh i Technologies | 2022 Intensive professional training in Python programming, Django web framework, and REST API development

Diploma in Computer Applications (DCA) Winsoft Computer Education | 2018 | 75.6%

AWARDS & RECOGNITION

Certificate of Appreciation – ITNT Hub (2024)

Received a Certificate of Appreciation for exceptional contribution and technical excellence in the ITNT Hub State Innovation Portal, recognizing impactful work that supported the state's startup ecosystem.