

# MANVENDRA RAJPOOT

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## SUMMARY

Python Backend Engineer with 2+ years shipping production microservices, multi-tenant SaaS platforms (1,000+ enterprise clients), and AI-powered automation systems on Django, FastAPI, and AWS. Track record of measurable impact: 40% API latency reduction, 99.9% uptime across distributed services, and 5× faster release cycles through CI/CD automation. Seeking a senior backend role where I can architect systems at scale.

## TECHNICAL SKILLS

**Languages:** Python, SQL, JavaScript, TypeScript, Bash

**Frameworks:** Django, Django REST Framework, FastAPI, Flask, Celery, Pydantic, SQLAlchemy

**Databases:** PostgreSQL, Redis, MongoDB, MySQL, Elasticsearch

**Cloud & DevOps:** AWS (EC2, S3, RDS, Lambda), Docker, Kubernetes, Terraform, NGINX, GitHub Actions, GitLab CI, Linux

**Architecture:** REST/GraphQL API Design, Microservices, Async (asyncio), WebSockets, Event-Driven Systems, System Design, SOLID

**Messaging & Observability:** RabbitMQ, Kafka, Datadog, Prometheus, Grafana, CloudWatch, Sentry

**Security & Payments:** OAuth 2.0, RBAC, MFA, JWT, Stripe API, Rate Limiting

**Testing & Process:** pytest, TDD, Unit/Integration/E2E Testing, Code Reviews, Agile/Scrum, CI/CD

## EXPERIENCE

### Python Backend Developer — CloudTechTiq

Oct 2024 – Present

- Architected multi-tenant SaaS platform with row-level data isolation, MFA, and RBAC using DRF and PostgreSQL, onboarding 15+ enterprise tenants with zero security incidents to date.
- Engineered AI-powered support features (grammar correction, response suggestions) that cut average ticket resolution time by 35% across a platform serving 1,000+ enterprise clients.
- Designed real-time notification pipeline with WebSockets, Celery, and RabbitMQ (email/SMS fallback), achieving 99.5% delivery rate for 3,000+ daily active users; monitored end-to-end via Datadog.
- Reduced queue processing time by 60% by migrating report generation and scheduled tasks to async workers on Celery, Redis, and AWS Lambda.
- Spearheaded API security hardening across multiple product lines: implemented OAuth 2.0, rate limiting, and input validation; coordinated rollout with frontend and DevOps teams.

### Python Backend Developer — Radixlink

Jun 2023 – Sep 2024

- Built AI-driven invoice automation system with FastAPI that extracts, validates, and structures invoice data, eliminating manual entry for hundreds of weekly transactions and reducing processing errors by 70%.
- Optimized PostgreSQL queries and implemented targeted indexing strategies, improving p95 API response time from 800ms to 450ms across high-traffic endpoints.
- Designed centralized auth microservice with MFA, RBAC, and Stripe payment integration, deployed on AWS EC2 with Docker; served as the SSO gateway for 3 internal products.
- Implemented disaster recovery with automated PostgreSQL backups to S3 and failover configurations, maintaining 99.9% uptime over 12 months of production operation.
- Established CI/CD pipeline with GitHub Actions and pytest (85%+ coverage), cutting release cycles from 2 weeks to 3 days and reducing deployment errors by 50%.

## PROJECTS

### Namecheap Python SDK — Python, httpx, Pydantic, xmltodict, pytest

github.com/alzywelzy/namecheap-wrapper

- Designed and published an open-source Python SDK for the Namecheap domain management API with Pydantic model validation, async-capable HTTP via httpx, and XML-to-dict response parsing. Supports domain registration, DNS management, and availability checks. Architected with clean separation between transport, serialization, and domain logic layers. Includes pytest suite with coverage reporting and environment-based config for sandbox/production endpoints; distributed via PyPI.

## EDUCATION

### Bachelor of Computer Applications (BCA) — Bundelkhand University

Jul 2021 – Jun 2024