

ANKUSH TYAGI

Senior Python & Django Engineer · AI Systems & LLM Integration · Cloud & DevOps · MCP & Custom AI Agents
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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 4+ years of experience specializing in Python, Django, and AI-powered backend systems. Expert in building scalable REST APIs, deploying cloud-native applications on AWS, and integrating large language models including OpenAI API and Claude (Anthropic). Proven hands-on experience with MCP servers, custom AI agents, RAG pipelines, Apache Kafka event streaming, CI/CD pipelines, and production-grade engineering at scale.

TECHNICAL SKILLS

Primary Languages	Python, JavaScript / Node.js, Go (Basic), PHP
Frameworks	Django, Django REST Framework, FastAPI, NestJS, React, Next.js, Laravel
AI & LLM Tools	OpenAI API, Claude (Anthropic), LangChain, MCP Servers, Custom AI Agents, RAG Pipelines, Prompt Engineering, Chatbot Development
Databases	PostgreSQL, MySQL, Redis, Elasticsearch
Messaging & Streaming	Apache Kafka, Celery, Redis Task Queues, AWS SQS
DevOps & Cloud	AWS (EC2, S3, Lambda, RDS, CloudWatch, SQS), Docker, Git, Linux, Nginx, Apache, CI/CD Pipelines
Core Competencies	REST API Design, System Architecture, JWT / OAuth2 / RBAC, Performance Tuning, AI Integration
Payment Gateways	Stripe, Razorpay, Klarna, PayPal, Apple Pay

PROFESSIONAL EXPERIENCE

Senior Software Engineer L2 | Squareboat Solutions Pvt. Ltd., Gurugram Apr 2023 – Present

- Architected scalable backend services using Django and DRF, serving 10,000+ concurrent users with sub-200ms response times
- Built AI-powered features with OpenAI API and Claude (Anthropic); developed MCP servers and custom autonomous AI agents, reducing manual effort by 60%
- Designed RAG pipelines using Elasticsearch for document-based intelligent chatbots and structured LLM workflows
- Engineered secure REST APIs with JWT, OAuth2, and RBAC; deployed on AWS with Docker; implemented Apache Kafka event streaming for decoupled microservice communication
- Managed Celery and Redis async task queues; integrated Stripe, Razorpay, Klarna, and PayPal payment gateways

Associate Software Developer | ValueCoders Services LLP, Noida Jan 2022 – Apr 2023

- Developed RESTful backend modules and APIs using Python, Django, and Laravel; integrated React frontends with Django REST Framework
- Optimized Django ORM queries and PostgreSQL indexing strategies, improving query performance by 40%; delivered releases via CI/CD pipelines with zero downtime

KEY PROJECTS

PGMind – AI Chatbot SaaS Platform Django · OpenAI API · Claude · RAG · Elasticsearch · Stripe

- Multi-tenant SaaS chatbot with document and URL-based RAG training via Elasticsearch; intelligent LLM routing with OpenAI API and Claude (Anthropic); Stripe subscription billing with webhook handling

Navigator – AI-Powered HR Intelligence Agent Django · LLM Pipelines · MCP Servers · Custom AI Agents

- Automated employee performance summaries via custom AI agents on MCP protocol with LLM prompt chaining; reduced manual HR review effort by 65%

ASHAConnect – Grassroots Health Worker Platform Django · Kafka · REST API · AWS · LLM Integration

- Building a product to solve ground-level operational problems for ASHA (Accredited Social Health Activist) workers — digitizing field data collection, automating beneficiary tracking, and delivering AI-assisted guidance in regional languages; Kafka pipeline ensures reliable data sync in low-connectivity rural environments

Cedarwood – Real-Time Operations Platform Django · Django Channels · WebSockets · PostgreSQL · AWS

- Real-time attendance and trial booking system using Django Channels and WebSockets; optimized PostgreSQL schemas on AWS RDS for high-frequency transactional operations

GrayPorter – E-Commerce Platform Django · AWS EC2/S3 · Stripe · Klarna · PayPal · Apple Pay

- Full Django e-commerce backend on AWS EC2 with S3 media storage; unified payment abstraction layer supporting Stripe, Klarna, PayPal, and Apple Pay

Squareboat CRM – Internal Business System Django · Celery · Redis · Kafka · PostgreSQL · RBAC

- Internal CRM with RBAC dashboards, pipeline management, Celery and Redis background notifications, and Kafka-driven event streaming for scheduled reporting automation

EDUCATION & LANGUAGES

B.Tech in Computer Science – Moradabad Institute of Technology 2022 · 80%

Languages: English (Professional Proficiency) | Hindi (Native)