

Ankit Jangwan

<https://ankitjang.one/backend>

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EDUCATION

Graphic Era University

B.Tech in Computer Science

Dehradun, Uttarakhand

Jul. 2016 – May 2020

SKILLS

Backend: Python, Django, FastAPI, Flask, Node.js, Express.js, REST APIs, GraphQL, WebSockets, Async (Celery, Redis)

Database: PostgreSQL (advanced), MySQL, Redis (caching, queues), MongoDB, Elasticsearch, Query Optimization, Indexing, Database Design, N+1 Query Elimination

Cloud & DevOps: AWS (EC2, RDS, Lambda, SES, S3, CloudWatch), Azure (VMs, Azure Database, Blob Storage), CI/CD (GitHub Actions, GitLab CI), Docker, Nginx, Gunicorn, SSL/TLS, Infrastructure-as-Code

Monitoring & Tools: Datadog, Sentry, Logz.io, CloudWatch, Azure Monitor, cProfile, Django Debug Toolbar, Postman, Git

Integrations: Stripe (payments, webhooks, PCI), SendGrid, Amazon SES, MSG91 (WhatsApp/SMS), Shopify/WooCommerce APIs, OAuth2, JWT

EXPERIENCE

Software Development Engineer II

Instahyre

Remote, India

Jan 2025 – Jan 2026

- Backend performance: Led company-wide Django-to-Jinja migration across 40+ modules managed by 10+ teams; reduced page load from ~1000ms to <200ms (5x improvement). Optimized critical APIs (evaluations, notes, candidate screening) via SQL query rewriting (N+1 elimination, indexes, complex join rewrites), Celery/Redis async offloading, and Redis/Django cache strategies — reduced API response times by 40-60%.
- System design: Architected unified candidate view backend integrating 5+ microservices with efficient data aggregation and low-latency queries (<50ms avg). Built Elasticsearch-based resume screening pipeline for candidate matching across large datasets.
- DevOps collaboration: Worked with infra team on deployment pipelines and database migrations; led production incident response using Datadog, Sentry, and Logz.io.
- Mentored SDE-1 engineers on backend best practices: async patterns, DB optimization, and API design.

Business Integration Specialist

Cloudify

Remote, India

Aug 2024 – Dec 2024

- Cloud infrastructure: Built and deployed Django/Express applications on AWS Serverless (Lambda, SST) and Azure; managed VMs, load balancers, PostgreSQL RDS/Azure Database instances.
- Production integrations: Amazon SES (transactional email with retry logic, bounce handling), MSG91 (WhatsApp/SMS APIs with queue management for high-volume messaging), Stripe (payments, webhooks, subscription management, PCI compliance), Celery/Redis (distributed task queues for async processing), Shopify/WooCommerce (custom APIs for inventory sync and order webhooks).
- DevOps ownership: Set up CI/CD pipelines (GitHub Actions, GitLab CI), configured SSL, automated deployments, DB backups, and monitoring (CloudWatch, Azure Monitor); maintained 99.5%+ uptime.

Lead Software Developer

Saara Inc

Remote, India

May 2022 – Aug 2024

- Backend architecture: Designed and built scalable Django + PostgreSQL backends with RESTful API patterns, JWT authentication, and role-based access control; optimized database schema for low-latency queries (<50ms avg) via proper indexing, select_related/prefetch_related (reduced query count by 40%), and caching for frequently accessed data.
- AI backend: Built Django backend from scratch for SalesGPT AI sales assistant; integrated OpenAI APIs with rate limiting, retry logic, and exponential backoff; implemented Celery/Redis async pipeline for LLM response generation, webhook processing, and analytics aggregation.
- End-to-end deployment: Full Azure setup (Gunicorn/Nginx, PostgreSQL, Redis, SSL, daemon processes) with monitoring, logging, alerting, and auto-scaling for AI workload spikes.

Software Engineer — Reporting & Scoring

SHL

Remote, India

Jul 2020 – May 2022

- Core backend developer on Reporting and Scoring platform (PHP/Symfony-based custom framework): Developed REST APIs, managed databases, and built candidate assessment report generation pipelines. Led final milestone migration of SHL evaluation logic into Aspiring Minds' modules post-acquisition, combining best-of-breed scoring and reporting algorithms from both platforms.

PROJECTS

Automated Resume System with CI/CD [Personal] | *Python, Jinja2, GitHub Actions, LaTeX, Astro*

- Python-based backend automation: GitHub Actions CI/CD pipeline auto-generates LaTeX resume PDF from JSON data using Jinja2 templates on every commit. Demonstrates DevOps practices (automated builds, infrastructure-as-code, single source of truth architecture) and eliminates manual content sync between portfolio and resume.

HealthLab Booking API [Personal] | *Go (Gin), PostgreSQL, React, TypeScript, Docker, GORM, Swagger/OpenAPI*

- High-performance REST API for pathology lab booking constructed with Go (Gin) and PostgreSQL. Features dynamic time-slot management, atomic transactions for booking consistency, and automated digital report generation. Includes comprehensive Swagger documentation and Docker containerization.

Message Scheduler Backend [Personal] | *Python, Django, Celery, Redis, Amazon SES, Telegram Bot API*

- Automated message scheduling system with Django backend, Celery/Redis task queues, and cron-based job execution. Supports email (Amazon SES) and Telegram delivery with retry logic, error handling, and scalable background processing for recurring notifications.

Telegram Chat Manager [Personal] | *Python, FastAPI, Telethon, Uvicorn, Pydantic, PyInstaller*

- Self-hosted Telegram account manager with web UI and CLI. Bulk delete chats, identify spam accounts, and clean up your Telegram without sending data to third parties.

MeetAssist [Personal] | *Chrome Extension V3, JavaScript ES6+, Service Workers, Content Scripts, Chrome Alarms API, MutationObserver*

- Automated meeting management Chrome extension with intelligent account switching. Architected a persistent background service worker using Chrome Alarms API for scheduled auto-joins with recurring meeting support. Implemented URL parameter injection system to programmatically route Google Meet sessions to specific accounts.

SalesGPT Backend [Saara Inc] | *Python, Django, React, PostgreSQL, OpenAI API, Azure, Celery/Redis*

- Backend for AI-powered e-commerce sales assistant: Django REST API architecture for chatbot interactions, product recommendations, analytics; integrated OpenAI APIs with rate limiting, error handling, retry logic, cost optimization; built async task queue (Celery/Redis) for AI response generation.

Candidate Resume Module [Instahyre] | *Django, Angular, PostgreSQL, Celery, Redis, Elasticsearch*

- End-to-end candidate screening workspace: activities, notes, pipeline stage transitions, evaluator visibility controls, and async email notifications. Django + Angular + PostgreSQL + Elasticsearch.

Lighthouse — Workflow Engine [Cloudify] | *Python, Django, Celery, Redis, AWS Lambda, REST APIs*

- Zapier-like automation engine connecting HubSpot, Pipedrive, Zoho Invoice, Airtable, Brevo, and Twilio. Generic trigger-action pipeline with idempotent execution, rate limit handling, and Celery/Redis distributed processing.

Reporting & Scoring Platform [SHL] | *PHP, Symfony, MySQL, REST APIs*

- Enterprise psychometric assessment system: 10+ report types (proctored, behavioral, aptitude, competency) from unified scoring engine. Led post-acquisition data migration between SHL and Aspiring Minds platforms (PHP/Symfony + MySQL).

Dynamics Classes [Personal] | *React, TypeScript, TailwindCSS, Vite, Airtable, Hubspot*

- Educational platform built with React, TypeScript, and TailwindCSS. SEO-optimized course pages, Airtable for content management, and Hubspot for lead tracking.

For more projects, visit: <https://ankitjang.one/backend>

WRITING

Blog: ankitjang.one/blog — Technical writing on backend performance, AI systems, and engineering

Case Studies: ankitjang.one/case-studies — Deep dives into production systems I've built

Dev.to: [@jangwanankit](https://dev.to/angwanankit) — Articles on Python, Django, and AI engineering

Medium: [@jangwanankitofficial](https://medium.com/@jangwanankitofficial) — Long-form technical articles