ARSLAN AHMAD

Full-Stack Python Developer

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PROFESSIONAL SUMMARY

Full-Stack Python Developer with 4 years of production experience architecting scalable backend systems, high-throughput REST APIs, and automated data processing pipelines. Took web products from requirements to cloud deployment across international client projects. Specialized in Python (FastAPI, Django, Flask), React/Next.js, asynchronous task queues (Celery, Redis, DBOS), web scraping automation, payment processing (Stripe), and multi-cloud infrastructure across AWS, GCP, Azure, and DigitalOcean.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, TypeScript
- **Backend & APIs:** Django, Django REST Framework, FastAPI, Flask, RESTful APIs, WebSockets, Celery, DBOS, Pytest (Unit/Integration Testing, TDD)
- **Frontend:** React JS, Next.js, Bootstrap, Tailwind CSS, Jinja, Django Template Language (DTL), FlutterFlow
- **AI & LLM:** LangChain, OpenAI / ChatGPT API, Perplexity AI, Gemini 2.5 Flash Image (Nano Banana), MCP, Langfuse, ElevenLabs, RunwayML, ImagineArt
- **Scraping & Automation:** Web scraping, FireCrawl, Apify Actors, Python automation scripts, n8n, Make.com
- **Databases & Search:** PostgreSQL, Supabase, PostGIS, MySQL, MS SQL, Redis, Elasticsearch
- **Cloud & Deployment:** AWS (EC2, ECS Fargate, RDS, SNS, S3, CloudWatch), GCP Cloud Run, Vercel, Microsoft Azure, DigitalOcean VPS, Hetzner Object Storage, Docker, Cloudflare, Let's Encrypt, Sentry, CI/CD
- **Integrations & Tools:** Stripe, Resend, Git, ClickUp, Jira, Cursor, Codex, Claude Code

WORK EXPERIENCE

OptimaGeeks | Software Engineer *Oct 2024 – Present*

- Coordinated with multiple team members while managing several client projects in parallel, keeping each on schedule and to agreed scope.
- Owned projects end-to-end, designing and implementing complete solutions from backend systems and APIs through to frontend integration and deployment.
- Increased valid records extracted per scraping run by **+286% (7 → 27 valid events)** by reworking the data-ingestion pipeline built on FireCrawl and Apify.
- Acted as the main technical contact for clients, handling requirement gathering, progress updates and feedback so that delivery matched expectations.

Tiksom Limited | Python Developer *Oct 2023 – Oct 2024*

- Delivered multiple Python web projects independently, from requirements to release, completing them on time and within scope.
- Communicated directly with clients to gather requirements, share progress and confirm deliverables, keeping projects aligned with business needs.
- Collaborated with an international development team across time zones and cultures, coordinating handoffs to meet shared project deadlines.

Saldiri SMC Pvt Limited | Python Developer *Sep 2022 – Oct 2023*

- Developed and deployed resilient RESTful APIs using Django REST Framework for production web applications.

FEATURED PROJECTS

Pact — AI Governance Certification | pact.rinnce.ai | Role: Full Stack Python Developer

Tech Stack: *FastAPI, Supabase, React JS, GCP Cloud Run, DBOS, Redis, RAG, Perplexity AI, FireCrawl, Langfuse, LiveKit, LiveAvatar, ElevenLabs, Stripe, Resend*

- Built and maintained the core FastAPI/Supabase backend, managing 140+ database migrations and writing ~3,000 automated tests to catch regressions before deployment.
- Expanded platform MCP tool support from 5 to 19 integrations (+280%), allowing external AI agents to trigger automated governance audits.
- Migrated long-running AI jobs from standard async tasks to DBOS durable workflows backed by PostgreSQL, so jobs automatically resume after crashes or restarts without losing progress.
- Set up web scraping and research workflows with FireCrawl and Perplexity AI, using Langfuse to track LLM latency, token usage, and response quality.
- Integrated LiveKit, LiveAvatar, and ElevenLabs to handle real-time voice and avatar streaming on the frontend.
- Handled Stripe payment integration for recurring subscriptions and configured transactional emails with Resend on GCP Cloud Run.

Kro-Nos — End-to-End Accident Management | kro-nos.com | Role: Full Stack Python Developer
Tech Stack: *Django, PostgreSQL, React JS, Celery, Redis, DigitalOcean, Nginx, Let's Encrypt*

- Built an end-to-end accident management platform using a Django/PostgreSQL backend and a React JS frontend.
- Offloaded heavy tasks like document generation, email alerts, and background status syncing to Celery workers with Redis, keeping API response times fast and user-facing views responsive.
- Managed deployment and server configuration on a DigitalOcean VPS, configuring Nginx reverse proxies and Let's Encrypt SSL certificates for secure HTTPS traffic.

Scrolling.ai — Gen Z Marketing Platform | scrolling.ai | Role: Python Developer
Tech Stack: *Python, Django, React JS, PostgreSQL, Celery, Redis, OpenAI, RunwayML, ImagineArt, Stripe, Hetzner Object Storage, AWS EC2*

- Developed Django backend services integrating generative AI APIs (OpenAI, RunwayML, ImagineArt) to automate social media content generation.
- Set up asynchronous queue workflows using Celery and Redis to handle long-running video and image generation tasks without blocking HTTP request worker threads.
- Integrated Hetzner object storage for media assets to reduce hosting overhead, added Stripe billing pipelines for paid subscriptions, and deployed production instances on AWS EC2.

HLRES — Online Real Estate Solutions | hlres.com | Role: Python Developer
Tech Stack: *Django, PostGIS, Elasticsearch, AWS, Sentry, Jinja, JavaScript, CSS*

- Engineered location-aware property search by combining PostGIS spatial queries with Elasticsearch, enabling high-performance geospatial radius filtering across thousands of real estate listings.
- Rendered SEO-friendly property listing pages server-side using Django and Jinja templates.
- Configured Sentry for real-time error tracking and performance monitoring on AWS to catch runtime exceptions before user reports.

Medlix Cockpit — Online Healthcare Assistant | digizorg.app/cockpit | Role: Python Developer
Tech Stack: *Django, Jinja, Tailwind CSS, MS SQL, Redis, WebSockets, Microsoft Azure, Cloudflare*

- Built real-time communication channels for a healthcare dashboard using Django WebSockets (Channels) backed by Redis message channels.
- Designed relational database models and complex queries on MS SQL Server to manage patient assistant data.
- Deployed application instances to Microsoft Azure and configured Cloudflare DNS and security rules for DDoS protection and SSL termination.

EDUCATION

BS in Computer Science | University of Gujrat Aug 2022