

DANISH SHARJEEL

danishsharjeel8@gmail.com | +92 311 6449132 | [linkedin.com/in/danishsharjeel](https://www.linkedin.com/in/danishsharjeel) | github.com/prog-zone
Multan, PK (UTC+5) | Open to Remote (US/EU Timezone Overlap)

Summary

Backend & AI Engineer with 4+ years of experience building scalable systems, APIs, and AI-powered pipelines. Specialized in Python (FastAPI, Django), async architecture, and vector search (Qdrant). Proven track record of optimizing database performance, implementing production-grade RAG applications, and delivering reliable backend infrastructure for remote teams.

Tools & Technologies

Backend & Core: Python, TypeScript, JavaScript, FastAPI, Django, Node.js, Golang, WebSockets

AI & Data Engineering: RAG Pipelines, LangChain, OpenAI/Anthropic APIs, Pinecone, Qdrant

Data & Performance: MySQL, PostgreSQL, Redis, Celery, MongoDB, REST & GraphQL APIs

Infrastructure & DevOps: AWS, GCP, DigitalOcean, Docker, Cloudflare, Git, CI/CD

Work Experience

Software Engineer — Verticalsols

Sep 2024 - Present

- Architected a FastAPI-based backend platform serving ~40k active users, handling core feature delivery and resolving critical performance bottlenecks.
- Optimized data ingestion and real-time messaging services, improving system throughput and response times by ~35% via async processing.
- Engineered Qdrant-based retrieval pipelines for contextual search, reducing average query latency by ~40% through indexing and caching.
- Integrated LLM-powered pipelines for automated text, speech, and image processing, enabling advanced sentiment analysis and classification workflows.
- Scaled legacy Django services to handle ~1M requests per day, performing database tuning to stabilize p95 latency at ~120ms.
- Mentored 2 junior developers on backend architecture, production debugging, and writing clean, maintainable code.

Software Engineer — Maxcore Technologies

Dec 2022 - Aug 2024

- Architected backend services for a multi-tenant B2B document management platform, strictly enforcing data isolation and multi-tenant access control.
- Designed file ingestion and document routing pipelines, improving system throughput by ~30% via batching and async processing.
- Optimized multi-tenant PostgreSQL database schemas, reducing query latency by ~25% through strategic indexing and query tuning.
- Spearheaded background job processing utilizing Celery and Redis to handle intense workflows like document conversion and automated reporting.
- Refactored legacy monolithic Python components into microservices, cutting server resource utilization by ~20%.
- Integrated third-party payment and SaaS platforms (Stripe, PayPal), building resilient webhook processors with automated retry mechanisms.

Full Stack Developer — ORM Digital Solutions

May 2021 - Nov 2022

- Engineered robust REST APIs and backend services using Django and Node.js to power high-traffic client-facing applications.
- Optimized PostgreSQL and MySQL database architectures through indexing and schema refinements, significantly accelerating query performance.
- Automated complex data processing and reporting workflows utilizing Python and Pandas, eliminating manual overhead for client teams.
- Spearheaded the containerization of applications via Docker and established CI/CD pipelines for automated deployments to AWS and DigitalOcean.

Projects

FastAPI Production-Ready Blueprint ([Link](#))

A robust, async-first backend foundation built to accelerate secure web application development.

Tech Stack: FastAPI, PostgreSQL (Asyncpg), SQLAlchemy 2.0, Alembic, Docker, uv

- Developed a zero-bloat architecture featuring secure enterprise OAuth2/SSO flows, JTI-based refresh token rotation, and Argon2 password hashing.
- Configured structured JSON logging (Structlog) and rate-limiting (Slowapi) for instant observability and security.
- Packaged with full Docker-compose orchestration and ultra-fast dependency management using uv.

Nexus RAG | Backend API for Legal Document Analysis ([Link](#))

A production-ready RAG backend allowing legal teams to query uploaded case files with mandatory source citations.

Tech Stack: FastAPI (async), Qdrant, VoyageAI, GPT-4o, PostgreSQL, Redis, Docker

- Built an async ingestion pipeline utilizing Unstructured API for OCR and Taskiq/Redis for background processing.
- Engineered a hybrid search system (Dense VoyageAI vectors + Sparse BM25 via FastEmbed) combined with Reciprocal Rank Fusion (RRF) in Qdrant.
- Implemented cross-encoder reranking and strict system prompting to ensure zero-hallucination, grounded responses via SSE streaming.

Salesforce Analytics Assistant with OpenAI ([Link](#))

An AI chatbot that lets sales teams query and summarize Salesforce data using natural language.

Tech Stack: Python, Django, Salesforce API, OpenAI API, PostgreSQL

- Built a natural language chatbot using GPT-4 to parse sales queries, dynamically generate SQL, and summarize real-time analytics
- Integrated the Salesforce API with OAuth2, securely syncing data to PostgreSQL while utilizing Redis caching to minimize query latency.
- Implemented role-based access control (RBAC) to secure sensitive records and engineered automated PDF/Excel report exports.

Education

Bachelor of Science in Software Engineering - Virtual University of Pakistan

Work Authorization

Open to remote work and B2B contracts with international teams. No visa sponsorship required.