Jansher Aquib

AI Engineer | Backend & Full-Stack Product Engineer

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PROFESSIONAL SUMMARY

AI & Backend Engineer with 7+ years shipping production LLM systems and 0→1 products across healthcare, fintech, and e-commerce. Built agentic workflows, RAG pipelines, and real-time voice AI systems handling live patient and customer interactions at scale. Deep experience with LLM orchestration (OpenAI, Gemini), vector search (Pinecone, Weaviate), and distributed backend architecture (Node.js/TypeScript, Python, Postgres, Kafka). Track record of owning systems end-to-end — architecture, implementation, observability, and cost/latency management — in close partnership with founders and product leadership.

SKILLS

Languages: JavaScript/TypeScript (expert), Python, Golang (familiar)
Backend: Node.js, Express, NestJS, Django, Flask
Frontend: React, Redux, Next.js, Vite
AI/LLM: LLM orchestration (OpenAI, Gemini), Retrieval-Augmented Generation (RAG), agentic/multi-agent workflows, prompt engineering, tool-calling, vector search, LLM evaluation & observability
Architecture & Practices: System design, microservices, distributed systems, event-driven architecture, API design
Data Stores: MySQL, PostgreSQL, MongoDB, Redis
Vector Stores: Pinecone, Weaviate
Messaging/Event Processing: Apache Kafka, Google Pub/Sub, Google Cloud Tasks
Workflow Engine: Zeebe
Cloud: AWS (Lambda, S3), GCP (Pub/Sub, Cloud Run)
Containerization & CI/CD: Docker, Docker Compose, GitHub Actions, Jenkins
Other: GraphHopper (geo-mapping engine)

PROFESSIONAL EXPERIENCE

Linea Care Inc | Senior Software Engineer (Founding Backend Engineer), US - Remote
Jun 2025 - PRESENT

Founding backend engineer on the core product team, reporting directly to the CTO, building an AI-native ACO (Accountable Care Organization) platform supporting full patient lifecycle management for partners including DaVita Care.

- Designed and built an intelligent communications layer (virtual contact center) using Twilio Programmable Voice/WebSockets, Gemini models, and neural voice providers to triage inbound patient calls and automate routine interactions across the partner network.
- Built AI agents from scratch and evolved them into an internal multi-agent orchestration framework handling scheduling, benefits verification, intake documentation, and follow-ups, with guardrails, observability, and cost/latency tracking built in from day one.

- Integrated LLM-powered services with medical and practice-management systems to support end-to-end patient lifecycle workflows: referral intake, scheduling, pre-visit screening, encounter documentation, and post-visit engagement.
- Established core backend patterns for AI-native features (tool-calling, retrieval over patient data, background workers, monitoring), enabling the team to consistently ship new 0→1 experiments on a shared in-house framework.
- Set up CI/CD pipelines (GitHub Actions) for core services to catch regressions before deployment.

Senior Backend & AI Consultant - Independent

APR 2024 - MAY 2025

- Built multiple 0→1 proof-of-concept products — AI assistants, document retrieval systems, workflow automation — for independent clients, owning architecture, implementation, and technical handover.
- Standardized a reusable Node.js/TypeScript + Postgres starter template with authentication, background jobs, logging/metrics, and pluggable LLM/vector-store integrations, cutting time-to-first-prototype across client engagements.
- Partnered directly with founders and domain experts to translate ambiguous requirements into pragmatic technical scopes, prioritizing fast iteration and production readiness.

Infeedo.ai (YC-backed) | Product Engineer (Backend) , India - Remote

JAN 2023- JAN 2024

Drove AI integrations into legacy core product offerings as part of a 0→1 team contributing to a $1M revenue pipeline.

- Built an LLM-powered chatbot and document ingestion system to improve support response quality and reduce manual triage load.
- Built an AI-driven ticketing system with built-in analytics to support smarter HR automation workflows.
- Built a multichannel notifications platform (WhatsApp, Slack, Email, MS Teams) with real-time translation, designed to GDPR-compliant standards.

Animall | Product Engineer (Backend) , BLR/India - Remote

SEP 2021 - SEP 2022

- Built and engineered the core Discovery Platform, driving DAU growth through algorithmic feed optimization.
- Launched the Farm Vertical (0→1), designing bulk multimedia ingestion pipelines for content management at scale.

0.5Bn FinHealth (YeloBank) | Backend Software Engineer , BLR/India Remote

NOV 2020- AUG 2021

- Built a P2P payments feature enabling users to transact via phone number lookup, improving accessibility for non-technical users.
- Designed a timing framework for NEFT transactions to support reliable after-hours payment processing.
- Improved system resilience by integrating the Zeebe workflow engine and Apache Kafka into core payment flows.

Earlier Career

- **Exotel | Product Support Engineer (L3)** — 2019–2020: Led feature testing, bug triage, and L3 support; automated billing reconciliation and built internal operational tooling.
- **Freelance Software Engineer** — 2017–2018: Built and sold a custom chatbot solution to an early-stage startup.

SELECTED PROJECTS

MySecondBrain — LLM-Powered Knowledge Management System Founder & Builder | Open Source | 2024 - 2025

- Designed and built a production-grade AI assistant for long-term knowledge management, combining structured search, retrieval-augmented generation, and multimodal document handling.
- Built a full-stack system with a Weaviate vector database for semantic search, a custom document ingestion pipeline (TXT/DOC/PDF), and OpenAI integration for query resolution; fully containerized with Docker.
- Launched publicly as a SaaS product; later sunset the hosted version after validating usage and capturing product/technical learnings applied to subsequent AI work.
- GitHub: https://github.com/aquib-J/mysecondbrain.info-BE
    - **Live snapshot:** https://second-brain-info-5z5vconqy-aquib-js-projects.vercel.app/