

Abdulrahman Khalid Ibrahim

Senior Backend Engineer

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Egyptian national | Open to relocation: Saudi Arabia (KSA) / UAE | Available for remote roles (UTC+3, GST-aligned)

PROFESSIONAL SUMMARY

Senior Backend Engineer with 5 years of experience building and operating high-throughput, low-latency distributed systems in production for marketplace, SaaS, and IoT products. Expert in Go (Golang), TypeScript / Node.js (NestJS), and Python (FastAPI), with deep experience in microservices, event-driven architecture (Kafka, RabbitMQ), gRPC, PostgreSQL, and Kubernetes on GCP and AWS. Strong reliability and observability mindset: owner of mission-critical services, on-call incident response, root-cause analysis, and scaling backends through 10x growth. Hands-on production experience integrating AI/LLM systems (OpenAI SDK, CrewAI, RAG with Qdrant and pgvector, multi-LLM serving, Model Context Protocol) into real engineering workflows. Currently a senior engineer at Soum, Saudi Arabia's leading recommerce marketplace.

TECHNICAL SKILLS

Languages: Go (Golang), TypeScript, JavaScript, Node.js, Python, C#, SQL

Backend Frameworks: NestJS, Express, Fastify, Gin, FastAPI, .NET, Prisma ORM, REST APIs, gRPC, WebSockets, SignalR

AI / LLM Engineering: OpenAI SDK, CrewAI, RAG pipelines, Embeddings and vector search (Qdrant, pgvector), Model Context Protocol (MCP), Local / self-hosted LLM deployment, Vertex AI, Prompt engineering

Databases and Search: PostgreSQL, MongoDB, Redis, Elasticsearch, Typesense, Firestore, Qdrant

Messaging and Streaming: Apache Kafka, RabbitMQ, Google Pub/Sub, BullMQ, Celery, Hangfire, MQTT

Cloud, DevOps and Observability: Google Cloud Platform (GCP), AWS, Azure, Kubernetes, Docker, Terraform, CI/CD (GitHub Actions), APISIX API Gateway, Keycloak, OpenTelemetry, SigNoz

Architecture and Practices: Microservices, Event-Driven Architecture, Domain-Driven Design (DDD), Clean Architecture, Multi-tenant SaaS, System Design, Distributed Systems, On-call and Incident Management, Unit / Integration Testing

Frontend (working knowledge): React, Next.js, React Native

PROFESSIONAL EXPERIENCE

Senior Backend Engineer — Soum

Jan 2026 – Present

Saudi Arabia's leading recommerce marketplace: 4M+ app downloads, \$18M Series A, deliveries across 150+ KSA cities Riyadh, Saudi Arabia (Remote) · Full-time

- Spearheaded a platform-wide observability initiative: integrated OpenTelemetry with SigNoz across 15+ microservices, delivering unified distributed tracing, metrics, and log correlation, closing long-standing cross-service debugging gaps and reducing mean time to detection (MTTD) on production incidents.
- Designed and shipped the post-payment NPS measurement system end to end (event schema, ingestion pipeline, aggregation views, and product surfaces), documented with sequence diagrams and technical specs that were adopted as the team standard.
- Own backend services for the Car category, one of Soum's high-value expansion verticals, including pricing and summary calculation logic and listing flows.
- Diagnosed and resolved critical production incidents in the Typesense search layer, restoring buyer-facing search reliability under load.
- Operate within a 15+ microservice environment built on NestJS and Go, with Kafka (event streaming), gRPC (inter-service communication), PostgreSQL, MongoDB, and Typesense.

Senior Backend Engineer, AI Lead — Goalngo

Feb 2026 – Present

Sports and fitness platform with 60k+ monthly active users; returned to lead the platform's AI initiative Remote · Part-time

- Architected and shipped Gino (Goalngo Mind), the platform's AI agent: ingests user profiles and activity history to generate AI-driven talent reports for coaches, intent-based actions, and personalized fitness plans.
- Built semantic retrieval on PostgreSQL with pgvector and multi-LLM serving: OpenAI in production plus a self-hosted local-LLM path for cost control and data-residency flexibility.
- Reinforced production stability and engineering communication on return, resolving several long-standing production bugs.

Senior Backend Engineer — VxLabs

Cloud-native IoT telemetry and analytics platform

Mar 2025 – Jan 2026

Remote · Full-time

- Designed and operated high-throughput telemetry pipelines (MQTT to Kafka to Elasticsearch) processing 1M+ events per day, optimized for low latency and fault tolerance.
- Led design and ownership of cloud-native backend services in a Turborepo monorepo, enforcing Clean Architecture and DDD boundaries across multiple production systems.
- Built multi-tenant SaaS provisioning and lifecycle workflows, converting on-premise systems into a scalable cloud-hosted platform.
- Implemented secure, low-latency authentication and service-to-service communication using NestJS, Keycloak, and Kubernetes; delivered sub-second analytical dashboards by optimizing Elasticsearch indexing, query patterns, and data models.
- Served as on-call engineer for production incidents; led root-cause analysis and post-mortems that measurably improved system availability.

Senior Backend Engineer — Goalngo

Sports and fitness platform with 60k+ monthly active users

Oct 2023 – Mar 2025

Remote · Full-time

- Led migration of high-traffic backend services from AWS Lambda to Kubernetes using the strangler pattern, improving availability and scalability for 60k+ MAU.
- Optimized feed and ranking pipelines using fan-out and batching strategies, achieving ~90% throughput improvement under peak load.
- Designed event-driven backend services on RabbitMQ for user actions, notifications, and background processing with fault isolation.
- Reduced deployment and rollback times by 65% through container and CI/CD pipeline optimization.

Senior Backend Engineer — CMP

WhatsApp-based conversational CRM platform

Nov 2023 – Mar 2025

Remote · Part-time

- Architected backend services and RESTful APIs following DDD and Clean Architecture, supporting modular service boundaries and maintainable growth.
- Built resilient, idempotent RabbitMQ event consumers to process high-volume messaging workflows with guaranteed delivery; implemented the outbox pattern on producers for fault tolerance.
- Implemented real-time communication pipelines using SignalR, enabling instant chat synchronization across web client dashboards.

Software Engineer (Full-stack) — ProCrew

Software agency delivering SaaS products across AI prediction, insurance marketplaces, and productivity tools

Nov 2021 – Oct 2023

Alexandria, Egypt · Full-time

- Built and shipped Python / FastAPI backend services across multiple SaaS platforms, owning REST API design, data modeling, persistence, and integration testing.
- Integrated Bayesian ML prediction services into production Python APIs for weekly sports lineup optimization, including model serving, request batching, and accuracy monitoring.
- Designed data pipelines and persistence layers across PostgreSQL, MongoDB, Firestore, and Redis, applying Clean Architecture to keep services testable and easy to debug.

SELECTED PROJECTS

- Standelo** — Multi-tenant SaaS knowledge base for engineering teams. Python / FastAPI service implementing an end-to-end RAG pipeline (ingestion, chunking, embedding, Qdrant retrieval, CrewAI multi-agent synthesis) with Redis caching on hot paths and tenant-isolated retrieval. Integrates an MCP server (Stitch) to expose design-system queries as first-class agent tools.
- LevelUp** — Gamified fitness RPG (cross-platform). NestJS / Prisma / Supabase backend with a React Native / Expo client. Designed a 10-model relational schema and built the full gamification engine (XP accrual, rank tiers, quests, streaks, leaderboards) plus an Arabic / Egyptian food database for nutrition tracking.

EDUCATION

B.Sc. in Computer Science — Alexandria University, Egypt | CGPA: 3.54 / 4.0

2022

LANGUAGES

Arabic (Native) | English (Professional working proficiency)