

Ahmed Khalifa

Backend Developer | Agentic AI

Cairo, Egypt Phone: [+20 103 079 0400](tel:+201030790400) Email: ahmed@khalifabuilds.dev LinkedIn: <https://www.linkedin.com/in/khali70/> GitHub: <https://github.com/khali70>

Summary

Backend developer with 2+ years in Node.js and Python. I fix the parts that break first under real users: concurrency, integrations and payments, real-time messaging, and undocumented legacy systems.

Skills

- **Backend:** Node.js (Express, Nest.js), TypeScript, Python (FastAPI), REST APIs, microservices
- **Real-Time:** WebSockets, event-driven systems, Redis, LiveKit
- **Agentic AI:** LLM agents, tool use, MCP, multi-provider model routing
- **Integrations & Payments:** Stripe, Paymob, Gmail, Google Calendar, Telegram, WhatsApp
- **Infrastructure & Data:** Docker, Linux, CI/CD, PostgreSQL, MariaDB, Git, Claude Code

Work Experience

AI Developer (Full-Stack) - NixAI

Remote - Cairo, Egypt | 2026 – Present

- Primary author of the backend (84% of commits) for [Donna](#), an agentic AI assistant for teams; took it from a broken MVP to a production multi-tenant app
- Fixed a cross-tenant context leak: a shared agent context was overwritten by a race condition under concurrent load, surfacing one user's messages in another's session; isolated context per user and session
- Built the agent's tool-use layer and integrations (Gmail, Google Calendar, Telegram, WhatsApp) with multi-provider model routing, so a provider change is configuration, not a rewrite
- Shipped payments with Stripe subscriptions and Paymob (Egypt/MENA gateway); 97 test files across the product

Back End Developer - BarkoTel Communications

Cairo, Egypt | 2025 – 2026

- Took over a legacy government document-workflow system (Frappe/Python, MariaDB) with 1M+ records and 1,406 users, delivered as "finished" with no development lifecycle in place
- Reverse-engineered the undocumented codebase through direct business analysis, then closed the workflow gap so a request is traceable from intake to completion across departments
- Scoped delivery to the most mature department and cut work on two others, buying stakeholder confidence with a shippable result; owned the database migration strategy to the replacement system

Back End Developer - Variiance ([V.connct](#))

6th of October, Egypt | 2024 – 2025

- Started on the Flutter team rebuilding the **V.connct Meet** meeting engine (100K+ downloads, 4.5 rating), then moved to the backend of the same engine
- Owned socket management and event-driven room behavior on client and server: websocket message routing, role-based access control, and host lock settings on a LiveKit-based backend
- Owned the collaborative whiteboard feature end to end across web, mobile, and real-time sync, built on a fork of Excalidraw: PDF upload, document paging, image loading, full RTL/Arabic support

Education

BSc in Computer Engineering - AL Safwa High Institute for Engineering

Shorouk, Egypt | 2017 – 2022

Nanodegree, Full Stack Web Development (Node.js & PostgreSQL) - Udacity

Online | 2021 – 2022