

Seif Eldeen Ibrahim

Software Engineer — builds AI data platforms end to end

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Software engineer who builds AI data platforms end to end. At Biامي, built Partic — an ELT/data-integration platform with a Temporal workflow engine, a registry-less build-and-ship deployment system, and an AI connector-authoring assistant — and Matrix, a multi-tenant AI data-warehouse with a natural-language-to-SQL engine. Before that, shipped access-control, guest-invitation and CRM-sync systems in a multi-tenant Laravel SaaS at Milango. Final-year Computer Engineering dual-degree student already delivering senior-level work.

2 AI platforms built at Biامي (Partic + Matrix)

30+ Go connectors · Temporal workflow engine

5,000+ req/min backend (Milango)

GPA 3.84

OWASP Top 10 hardened

EXPERIENCE

Biامي (BIAMI.io) — Software Engineer

Remote · Present

AI automation company; products trusted by enterprise-scale clients (Orange, Tesco, P&G, BNP Paribas, SEKO Logistics).

- Built **Partic** (partic.ai), an ELT/data-integration platform — a Python/FastAPI control plane, a Go Temporal data-plane worker, a TypeScript SPA, and an AI assistant, behind an Apache APISIX gateway.
- Designed the orchestration on **Temporal** (durable pipeline runs, deployment build/ship, scheduling) and a registry-less build-and-ship system that streams per-deployment Docker images to customer hosts over SSH — so data never leaves their infra.
- Built a 30+ **Go** connector framework with cursor/high-watermark incremental sync, plus **Nexus**, a GPT-4o strict-tool-calling assistant (RAG over pgvector) that authors and validates connectors.
- Built **Matrix** (matrixhq.ai), a multi-tenant AI data-warehouse: a natural-language-to-SQL engine, an HMAC-signed service integration with Partic, SSH-driven per-tenant VM provisioning, and a security-first prompting layer (**Vault**, **JWT**, **Stripe** billing).

Milango — Software Engineer

Remote · Sep 2025 – Present

Multi-tenant 'community super-app' for residential & gated communities (Laravel 9 / PHP 8.1, database-per-tenant, ~89 modules).

- Built third-party physical access-control integrations (**HikCentral/HikVision**, **Biostar**) — card/gate/door provisioning and lifecycle via client/server adapters.
- Refactored the **QR-code guest-invitation** system (residential & sports) across API versions; built async, tenant-aware CRM (Google Sheet) sync and hardened tenant-aware logging.
- Architected a backend sustaining **5,000+ requests/minute** under peak load (Redis caching, connection pooling, load balancing); JMeter-validated and hardened against the **OWASP Top 10**.

Software Agency (Riyadh) — Software Developer

Remote · 2023

- Delivered client web applications remotely for a Riyadh-based software agency.

Freelance — Full-Stack Developer

Remote · 2021 – 2024

- Built real products across the stack (Django, Python, React, C++): Instagram clone, recipe platform, shopping app, ERP HR module, and more — plus web penetration testing that grounds later security work.

Khater Sports — IT Intern

Egypt · 2022

- Hands-on infrastructure fundamentals: Active Directory, firewalls, and LAN administration.

SKILLS

Languages: Python, Go, PHP/Laravel, TypeScript, JS, C++

Backend & Workflows: FastAPI, Temporal, SQLAlchemy, gRPC, REST/JSON:API

AI Systems: OpenAI GPT-4o, Anthropic Claude, RAG (pgvector), NL-to-SQL, tool-calling

Frontend/Mobile: React, React Native, Next.js, Vite

Data: PostgreSQL 16, pgvector, MySQL, Redis, Elasticsearch, MongoDB

Infra/DevOps: Docker, Apache APISIX, Nginx, HashiCorp Vault, RabbitMQ, AWS, CI/CD

Security: JWT/HMAC, OWASP Top 10, web penetration testing, multi-tenant isolation

Payments: Stripe

EDUCATION

B.Sc. Computer Engineering & Software Systems

Ain Shams University (Egypt) + University of East London (UK)
— dual degree

LANGUAGES

Arabic — Native

English — IELTS 6.5

German — A2.2

- Final year · GPA **3.84**.
- Ranked **8th in governorate** in high school (97.5%).

AVAILABILITY

Remote — available now

EU relocation-ready (Schengen visa)