



AHMED ZAGHLOUL

Ahmed Ayman Saad Zaghloul Mahmoud

Senior Systems Architect & Infrastructure Engineer

Dubai / Sharjah, UAE · +971-555-203-306 · ahmedzaghloul@vegotron.com

LinkedIn: linkedin.com/in/ahmedzaghloul96 · Portfolio: ahmedzaghloul.vegotron.com

DOB: 18/01/1996 · Nationality: Egyptian · UAE Driving License: Valid

PROFESSIONAL SUMMARY

Senior Software & Systems Architect specializing in high-performance, real-time platforms and resilient distributed architectures. Focus: ultra-low latency systems, high-throughput microservices, and secure infrastructure at 99.99% availability. Founder & Chief Architect of Vegotron FZ-L.L.C — 1,000,000+ LOC monorepo, 248 mesh nodes, HA API Gateway, SSE/WebSockets.

TECHNICAL EXPERTISE

- Systems Engineering: System Architecture, Microservices, Distributed Systems, Go, TypeScript, Microsoft Servers.
- Networking & Telecom: Computer Networking, Broadband (FTTH/ADSL), Network Troubleshooting, Telecommunications, Technical Support.
- Real-time & Edge: WebSockets, SSE, API Gateways, gRPC/Protobuf, Redis Pub/Sub, Zero-Trust, Docker.
- Academic & Business: Management Information Systems (MIS), Computer Science, Business Administration.

PROFESSIONAL EXPERIENCE

Founder & Chief Architect

Vegotron FZ-L.L.C (Enterprise-Grade Distributed Platform) | UAE | Apr 2026 – Present

- Architected the core distributed microservices engine using Go, TypeScript, gRPC, and ScyllaDB for maximum throughput and high availability.
- Engineered zero-trust infrastructure, automated API gateways, and ultra-low latency WebSocket/SSE real-time telemetry (248 mesh nodes).
- Designed immersive UI/UX (glassmorphism, micro-interactions) and oversee platform security, data sovereignty, and end-to-end orchestration.
- Monorepo architecture (1,000,000+ LOC) with Redis/PostgreSQL optimizations and HA gateway routing.

IT & Systems Operations Administrator

Enterprise IT Operations | UAE | 2023 – 2024

- Led critical problem-solving under high-pressure environments with strict regulatory compliance.
- Diagnosed hardware/software faults across enterprise workstations and network devices; secured uptime.

Technical Support Officer (Networking & Telecom)

Telecom Egypt | Qism 2nd Nasser City, Cairo, Egypt | Apr 2022 – May 2023

- Nationwide technical support and network troubleshooting for broadband (ADSL/FTTH) and PSTN landline networks.
- Level-2 diagnostics for IP connectivity, routing faults, attenuation, and SNR; collaborated with NOC for rapid MTTR.
- Root-cause analysis for WAN/LAN disruptions with strict SLA compliance for residential and business connections.

EDUCATION

Bachelor's Degree in Management Information Systems (MIS) — High Institute of Computers, Information and Management Technology - Tanta (Sep 2017 – May 2021).

Accredited by the Supreme Council of Universities as equivalent to a Bachelor's degree in Commerce. Scope: Software Systems & Information Architecture, Database Design, Business Administration & Systems Analysis.

CORE COMPETENCIES

- Systems Thinking: Fault-tolerant architectures and cascading-failure anticipation.
- Extreme Ownership: End-to-end lifecycles from networking bare-metal to UI deployment.
- Languages: Arabic (Native) | English (Professional Working Proficiency).