

AHMED HAZY

SOFTWARE ENGINEER | BACKEND & AGENTIC AI

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Dedicated Computer Science undergraduate with a strong foundation in scalable backend architecture, multi-agent AI workflows, and RESTful API development. Experienced in containerized microservices and automated CI/CD pipelines. Currently seeking international team opportunities with remote capabilities or immediate relocation.

TECHNICAL SKILLS

Languages & Core: Python, C++, C#, SQL.

Backend & Frameworks: FastAPI, PostgreSQL, SQLAlchemy, .NET Framework.

AI & DevOps: Multi-Agent Systems (OpenClaw), Docker, CI/CD, Git/GitHub, Linux.

Data Management: Relational Schema Design, Database Design, SQL Query Optimization.

PROFESSIONAL EXPERIENCE

Junior Software Engineer | Xplain AI (Cairo, Egypt) 05/2026 – Present

- Engineer high-throughput RESTful backend microservices for a fast-growing SaaS web ecosystem.
- Build and optimize API endpoints using FastAPI while managing relational database schemas and migrations with PostgreSQL and SQLAlchemy.
- Implement custom internal admin control panels, dynamic content delivery engines, and URL shortener microservices.

Software Engineer Intern | Shebang Labs 01/2026 – 05/2026

- Collaborated on scalable cloud backend services and microservices architecture.
- Implemented containerized development and deployment workflows using Docker and automated CI/CD pipelines.

Instructor (Python & Robotics) | Mokhtareon Academy (Cairo, Egypt) 05/2025 – 10/2025

- Designed and delivered the complete Python curriculum, including interactive coding exercises and practical projects.
- Mentored students in algorithmic thinking and foundational software engineering, balancing technical instruction with engaging practical application.
- Translated complex computer science principles into structured, digestible learning modules.

KEY ENGINEERING PROJECTS

Autonomous Multi-Agent CI/CD Bot

- Technologies:** Python, OpenClaw Framework, FastAPI, Docker, CI/CD.
- Architected an autonomous multi-agent AI system that parses natural language instructions via chat interfaces (e.g., WhatsApp).
- Automated codebase modifications, local test execution, and production deployment triggers.

Smart Automated Parking System

- Technologies:** C++, Arduino, Embedded Systems, Hardware Logic.
- Built an automated entry and capacity management system tracking vehicles in real-time.
- Designed the logic and simulation using OOP principles integrated with hardware constraints.

EDUCATION

Bachelor of Computer Science | Ain Shams University (Cairo, Egypt) Expected Graduation: 2028

- Academic Standing:** CGPA 3.0 (German Grade Equivalent: ~2.0 - Gut).
- Relevant Coursework:** Database Management Systems (DBMS), Data Structures, Statistical Analysis, Object-Oriented Programming (OOP).

VOLUNTEERING & EXTRACURRICULAR

- ACM Student Activity Member:** Mentored for competitive programming alongside peers ranking in the top tier of national programming contests (ECPC/ICPC).
- Applai Student Activity:** HR Committee Member coordinating internal operations, team events, and member communications to foster cohesion.

LANGUAGES

- German:** B2 Level (Goethe-Zertifikat B1 Certified)
- English:** B2 Level (IELTS Academic 5.5)
- Arabic:** Native