George Raafat

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○ George-Raafat

Back-end Software Engineer

Summary

Back-end engineer skilled in building secure APIs, optimizing databases, and delivering scalable, reliable software through testing, containerization, and collaborative development.

Education

Cairo University   **Faculty of Computers & Artificial Intelligence**
B.Sc. in Computer Science   *10/2022 – 06/2026*
○ GPA: 3.8 (4th-year student)

Experience

Banque Misr   **Hybrid**
Back-end Development Intern   *07/2025 – 08/2025*
○ Completed a 6-week back-end internship using Spring Boot and JWT for secure applications.
○ Worked with MySQL and MongoDB for database integration and management.
○ Implemented unit and integration tests to ensure code reliability.
○ Gained hands-on experience with Docker for containerization and deployment.
○ Practiced Git workflows and application preparation for production.

NCI (via ALX Ventures)   **Remote**
Back-end Developer   *09/2024 – 11/2024*
View Certificate
○ Built and deployed a scalable API for an inventory management SaaS (Nest.js, MongoDB).
○ Implemented multi-tenant database architecture to streamline client data management.

ALX Africa   **Remote**
Software Engineering Intern   *02/2023 – 04/2024*
View Certificate
○ Completed 12-month intensive program specializing in back-end development.
○ Developed full-stack web applications using Flask, Next.js, and React.
○ Designed and optimized databases with MySQL and MongoDB (Prisma, SQLAlchemy).
○ Practiced agile workflows, Linux development, Git, and test-driven coding.

Projects

Learning Management System   *12/2024 – 12/2024*
○ Built a web platform for managing courses and assessments (Spring Boot, PostgreSQL).
○ Designed normalized schemas and integrated Cloudinary for media management.

Doodles   *03/2024 – 04/2024*
○ Developed drawing-sharing web app (Next.js, React, Prisma, MongoDB, NextAuth).
○ Implemented authentication, database optimization, and image storage with Cloudinary.

Sports Club Center   *11/2023 – 12/2023*
○ Built a RESTful API in Flask with SQLAlchemy/MySQL for sports club activity management.
○ Delivered a console-based admin interface for database management.

Skills

Programming Languages: C, C++, Python, Java, HTML, CSS, JavaScript/TypeScript
Frameworks: Flask, Django, Spring Boot, Nest.js, Next.js
Databases: MySQL, PostgreSQL, SQL Server, MongoDB
Tools & Technologies: Git, Docker, Linux, Prisma
Soft Skills: Communication, Teamwork, Time Management, Attention to Detail