Hussin Saleh Abdulaziz

E: hussinhegazy350@gmail.com | T: (+20) 1065264613 |LinkedIn

Backend Developer

PROFESSIONAL SUMMARY

Backend Developer with a robust **Computer Science** foundation (ALX alumni), specializing in building scalable systems using **Node.js** and **C**. An analytical professional who leverages deep knowledge of **algorithms** and **memory management**—combined with an **IT Infrastructure** background—to build optimized, high-performance server-side applications.

Technical Expertise in:

- **Backend Development & RESTful APIs**
- **Database Management & Optimization**
- **Linux Administration & Scripting**

- **Programming in C, Python, and SQL**
- **Data Structures & Algorithms**
- **Process Automation & Workflows**

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EDUCATION

- **Faculty of Commerce (Accounting). Al Azhar** University, 2022
- Graduation Grade: Very Good

PROFESSIONAL EXPERIENCE

IT Operations & Automation Specialist   April 2023 – September 2025

- **Spearheaded the digital transformation** from legacy paper systems to a modern ERP solution across 4+ branches.
- **Engineered a custom automation script** to bypass vendor software limitations, enabling bulk data migration and eliminating manual entry bottlenecks.
- **Optimized operational workflows**, reducing manual labor and ensuring 100% data accuracy during the system migration

IT Help Desk Specialist   January 2020– March 2022

- Installed, configured, and upgraded PC software and hardware components.
- Monitored system performance and resolved technical troubleshooting issues efficiently.
- Maintained network stability to ensure uninterrupted workflow for end-users.
- Managed security protocols and antivirus solutions to protect the network from vulnerabilities.

PROFESSIONAL DEVELOPMENT & CERTIFICATIONS

Software Engineering Program | ALX Africa (Holberton Curriculum)

- **Foundations:** C Programming, Linux Kernel, Shell Scripting, Data Structures.
- **Backend Specialization:** Python, Node.js, SQL Databases, API Design.
- **System Engineering:** Web Server Configuration (Nginx), HTTP/HTTPS, DevOps basics.

Technical Certifications

- **Python Programming** | Microsoft
- **Artificial Intelligence Fundamentals** | Microsoft
- **Introduction to Cyber Security** | Cisco Networking Academy

PROJECTS

- **Task Management API**: Built a RESTful API using **Node.js** and **Express**, featuring JWT **authentication and MySQL** integration.

- **Shell Clone (ALX Project):** Developed a simple Unix command-line interpreter in **C,** focusing on process management and memory allocation.