

AMR MOHAMAD

Software Engineering | Bachelor's Degree in Computer Science | Cybersecurity
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LINKS

[LinkedIn](#) | [GitHub](#) / [portfolio](#)

PROFILE

Software Engineer specializing in backend development and cybersecurity, proficient with Python, Node.js and Django. Delivered production web applications and platform improvements—optimizing server performance building scalable APIs and integrating databases like MongoDB. Experienced penetration tester and trainer skilled in vulnerability assessment, ethical hacking, and turning security findings into actionable fixes. Committed to building secure, user-focused systems and applying technology for public-sector impact.

EDUCATION

◆ **Al-Azhar University - Cario, Egypt**
Bachelor's, Computer Science

Jan 2022 — Jan 2026

EXPERIENCE

◆ **Head of Technical Department | Plan Code**

Oct 2024 — Present
Cairo

Lead the technical team at Plan Code, overseeing project reviews, coordinating technical delivery, and ensure security standards are met across all work-streams.

- Review project requirements and technical outputs to ensure quality, accuracy, and alignment with goals.
- Lead and support the technical team to deliver work efficiently and collaboratively.
- Perform security testing and help identify risks before deployment.

◆ **Penetration Tester | digital egypt pioneers initiative DEPI**

Nov 2025 — Aug 2026
Cairo

Worked as a penetration tester at Digital Egypt Pioneers Initiative, focusing on identifying and mitigating security vulnerabilities. Engaged in comprehensive security assessments of networks and web applications.

- Conducted thorough penetration tests on multiple platforms, identifying critical vulnerabilities.
- Utilized tools such as Metasploit and Nmap to perform vulnerability assessments, enhancing threat detection capabilities.
- Collaborated with IT teams to implement security solutions, reduce potential risks, and improve system resilience.

◆ **MEAN Stack Developer | national telecommunication institute NTI**

Aug 2025 — Sept 2025
Cairo

Worked as a MEAN stack developer at the National Telecommunication Institute, focusing on creating robust web applications. Engaged in the development of dynamic and interactive user interfaces using Angular, ensuring responsive design and seamless navigation.

- Developed user-friendly web interfaces with Angular, improving user engagement.
- Worked with teams to deploy applications, ensuring 99% uptime.
- Optimized code for scalability, supporting increased traffic and load.

◆ **Cybersecurity Trainer | google developer groups on campus cic**

May 2025 — Sept 2025
Cairo

Served as a cyber security trainer at Google Developer Groups on Campus CIC, focusing on educating participants about network and web application security.

- Led training on penetration testing, improving participants' skills in identifying security weaknesses.
- Explain ethical hacking techniques, fostering a deeper understanding of cybersecurity practices.
- Demonstrated the use of tools like Wireshark and Metasploit, enhancing practical knowledge.

◆ **Back End Developer | ALX Africa**

Sept 2024 — Jan 2025
Cairo

Served as a back-end developer at ALX Africa, focusing on building and improving website infrastructure using Node.js. Engaged in designing algorithms to boost server operations, while collaborating with the team to enhance overall website performance.

- Developed website backend using Node.js, enhancing server operations efficiency.
- Worked with a team to optimize performance, ensuring a seamless user experience.
- Expanded understanding of server management and frameworks such as Node.js.

◆ Python Web Development | professional_training_coaching, ITI

Aug 2024 — Sept 2024
Cairo

Focused on creating a comprehensive web application for course management at the Information Technology Institute. Utilized Django, SQLite3, HTML5, CSS, and JavaScript to develop a robust full stack solution.

- Built a full stack web application with Django and SQLite3 for course management.
- Designed features enable teachers to add courses and students to enroll.
- Launched the platform, resulting in higher course enrollment and user engagement.

◆ Website Developer | Cognorise infotech

Aug 2024 — Sept 2024
Cairo

Worked as a website developer at Cognorise Infotech, focusing on building and enhancing web applications. Specialized in creating a to-do list website and a currency exchange platform using technologies like Flask, Django, and JavaScript.

- Created a to-do list application using Flask and JavaScript, enhancing task management capabilities.
- Built a currency exchange platform with Django, facilitating real-time currency conversions.
- Designed a personal portfolio to highlight web development projects and skills.
- Worked closely with team members to integrate features and improve user experience.

◆ Software Engineering | ALX Africa

Nov 2023 — Sept 2024
Cairo

Contributed as a software engineer at ALX Africa, concentrating on key areas such as bash scripting, Linux systems, and fundamental programming in C and Python.

- Created shell scripts that streamline server management tasks.
- Built console applications using Python, enhancing functionality and user interaction.
- Utilized Flask to develop web applications, improving backend development processes.
- Gained proficiency in Linux systems, contributing to efficient software solutions.

SKILLS

Python (OOP & Data Structure)
Node.js (Express js)
Django / Flask
Database (MongoDB, PostgreSQL)
Rest API

Penetration Testing
Cybersecurity
Linux / Unix
Authentication & Authorization (JWT, OAuth)
Network Security

LANGUAGES

Arabic Native speaker English Very good