

Mohamed Bakr *Security Engineer*

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📁 Professional Experience

Freelance Full Stack Developer

03/2023 - 12/2023

- Built image manipulation app using *React* and *Konva*.
- Revamped a chat component using *Vue* and integrated it with ChatGPT and a node.js API.
- Built an API that handles chat stream from openAI API using *fastapi*.

Appgain, React and React Native Developer ☑

11/2022 - 03/2023

- Worked on updating and maintaining internal CMS systems using *React*.
- Maintaining and updating apps with *React Native*.
- Worked with Legacy code base, maintaining and migrating to modern stack.
- Got hands-on experience working on and debugging mobile applications.

🎓 Education

BSc of Computer Science, *Culture and Science City*

10/2021 - 07/2025 | Egypt

📖 Courses

Penetration Tester Job Role Path, HackTheBox Academy ☑

developed hands-on expertise in offensive security, covering reconnaissance, exploitation, post-exploitation, and Active Directory attacks. The curriculum included practical training in tools like Nmap, Metasploit, and BloodHound, alongside methodologies for vulnerability assessment, privilege escalation, and web application testing (e.g., SQLi, XSS).

🔗 Activities

CAT Reloaded ☑

2023 - present

- Learned basics of *Cyber Security: Linux, Networking, bash scripting*.
- Participated in one of the few **Reverse Engineering** communities in Egypt.
- worked with *C, Assembly, OS, Malware Analysis(both static and dynamic), virtual machines, containers, network analysis* and many more.

ICPC Community Leader ☑

2023

- Managed participating in *Egyptian Colligate Programming Contest* process in my campus.
- Helped in students train on *Problem Solving*.
- Participated in ECPC as campus representative.

🧠 Skills

HTML | CSS | JavaScript | React & Nextjs | Linux | Bash | C & Assembly | Git |
Docker | Networks | Node.js & Express | Python