



Ali Rajeh Alessa

Cybersecurity Specialist | IT Developer | Cloud Security Enthusiast

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Summary

Cybersecurity-focused IT professional with hands-on experience in secure web development, penetration testing, and digital forensics. Developer of the Muhaqiq Web App (RBAC + encryption, at SAMCO) and contributor to SurgiPro surgical room scheduling system. Skilled in cloud security (AWS), Linux administration, and forensic investigations, with strong communication and collaboration skills.

Education

B.Sc. Computer Science (With Honors) – Umm Al-Qura University, 2020–2024

Core Skills

- **Cybersecurity & Forensics:** Kali Linux, Burp Suite, Nmap, Wireshark, Autopsy, FTK
- **Cloud & Networking:** AWS (EC2, S3, IAM), Linux Administration, Cisco Fundamentals, Virtualization
- **Programming & Development:** Java, Python, PHP, JavaScript, MySQL, Git
- **Soft Skills:** Requirement Gathering, Stakeholder Communication, Analytical Thinking, Problem-Solving, Team Collaboration
- **Certifications:** Cybersecurity Foundations (SATR), Linux Certification (SATR), **CompTIA Security+ (In Progress)**

Experience

IT Developer (Security Focus) — SAMCO, Dammam (2024 – Present)

- Designed and developed the Muhaqiq Web App, a secure case-management system being implemented across all departments, with RBAC and encryption ensuring secure case flow.
- Applied secure coding practices and input validation, reducing vulnerabilities and improving resilience.

IT Intern — Smart Methods, Makkah (2023)

- Supported backend and frontend development tasks and conducted code reviews for internal web applications.
- Assisted in debugging and testing, improving platform stability.
- Supported implementation of new features and gained exposure to full-stack development workflows.

Key Projects

Muhaqiq Web App (2025, SAMCO) – Designed the architecture and developed the front-end and backend of a secure case-management platform with RBAC and encryption, implemented across all departments.

SurgiPro (2024, Graduation Project) – Collaborated in a team of five to build a surgical room booking system (PHP, MySQL, JavaScript, HTML/CSS, Bootstrap) addressing a hospital scheduling issue. Contributed to both front-end and back-end development, as well as system planning and secure booking features.

Cybersecurity Lab (2023 – Present) – Built and actively maintain a VirtualBox-based lab with multiple operating systems for continuous hands-on practice. Use it to conduct penetration testing, vulnerability scanning, and OS hardening with Kali Linux, Nmap, Wireshark, Autopsy, and FTK.

Digital Forensics Practice (2023 – Present) – Regularly perform forensic investigations on Linux systems, recovering deleted files and documenting findings with Autopsy and FTK in line with forensic standards.

Additional Highlights

- Member of the **Computer Science Club**, contributing to tech workshops and discussions.
- Passionate about **cyber intelligence**, ethical hacking, and purple team operations.
- Continuously enhancing expertise in **cloud security** and **network defense**.