

OMAR EL-ATABANY

Junior Platform & Infrastructure Engineer | Linux | Docker | Security Operations

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SUMMARY

Infrastructure-focused engineer with hands-on experience supporting Linux-based systems, Docker environments, self-hosted services, SIEM monitoring, VPN access, networking, and automation workflows. Background combines software development, security operations, technical support, and client-facing engineering. Experienced in troubleshooting, documentation, secure system design, and deploying practical infrastructure solutions across business and lab environments. Currently expanding skills in Kubernetes, Infrastructure as Code, CI/CD, monitoring, logging, and backup automation.

SKILLS

Infrastructure & DevOps

Linux, Docker, Bash, Git, GitHub, Unraid, KVM, Cloudflare, Tailscale, WireGuard, UniFi, DNS, TLS, Networking, Kubernetes fundamentals, Ansible fundamentals

Security Operations

Wazuh SIEM, Splunk, OWASP ZAP, Blue Team Monitoring, Log Analysis, Basic Digital Forensics, Autopsy, Vulnerability Assessment

Development

Python, JavaScript, TypeScript, React, Node.js, REST APIs, SQLite, MySQL, C, C++, C#, Java

System & Hardware

PC Building, Workstation Builds, Homelab Systems, Storage Planning, Media Transcoding, Local LLM Deployment

EDUCATION

B.Sc. Computer Science

University of Wollongong in Dubai (UOWD)

09/2019 - 06/2023 UAE

Certificate in Filmography

SAE Institute

05/2024 Dubai, UAE

High School Diploma

Sunmarke School

09/2015 - 06/2019 Dubai, UAE

LANGUAGES

Arabic Native ●●●●●

English Native ●●●●●

EXPERIENCE

Founder & Technical Lead

Fabricode

2025 - Present UAE

- Operate a technical services business covering 3D printing, workstation builds, homelab systems, client consultation, printer installation, and technical support.
- Built and maintained internal self-hosted infrastructure for business operations, including service hosting, secure remote access, and automation workflows.
- Designed UniFi-based network environments using VLANs, access point configuration, device segmentation, and secure remote access through Cloudflare Tunnels and Tailscale.
- Built and configured custom workstations and small infrastructure systems for client use cases including media processing, local hosting, and AI-capable workloads.
- Documented technical configurations, client requirements, and deployment steps to support repeatable service delivery.

Cybersecurity & Pre-Sales Engineer (Remote)

Inetwork Solutions

04/2025 - Present Cairo, Egypt

Cybersecurity and Pre-Sales consulting company

- Deployed and managed SIEM platforms including Wazuh and Splunk for centralized log collection, monitoring, and threat visibility.
- Supported client security operations through log analysis, alert review, threat detection, and risk remediation workflows.
- Designed secure network and system architecture proposals for client environments.
- Prepared technical documentation, solution comparisons, and proposal material for enterprise cybersecurity and networking solutions.
- Supported pre-sales engagements by translating client requirements into practical technical designs.

R&D Engineer & Material Profiler

PRECISE 3D Hub

05/2024 - 03/2025 Dubai, UAE

Company specializing in advanced 3D printing solutions

- Created optimized G-code and material profiles for pellet-fed and clay extrusion 3D printers.
- Built internal automation workflows using Docker, Unraid, and Tailscale to support production and remote-access operations.
- Supported installation, maintenance, troubleshooting, and client onboarding for advanced 3D printing systems.
- Developed experimental monitoring workflows to improve production visibility and maintenance planning.
- Delivered customized technical solutions based on client requirements, machine capabilities, and material constraints.

Front-End Developer

Techzone Networking

01/2023 - 04/2023 Dubai, UAE

Networking solutions provider

- Developed responsive React and TypeScript interfaces integrated with REST APIs.
- Supported dashboard usability improvements for client-facing networking applications.
- Collaborated on frontend implementation, testing, and issue resolution.

PROJECTS

Self-Hosted Infrastructure Lab

Practical infrastructure lab focused on Linux, Docker, secure remote access, monitoring, and automation.

- Built and maintained Linux-based infrastructure running Docker services including Nextcloud, Jellyfin, Tdarr, security tools, and internal automation services.
- Implemented secure remote access using Tailscale, WireGuard, Cloudflare, reverse proxy routing, and hardened container configurations.
- Integrated Wazuh SIEM logging for endpoint, server, and container visibility.
- Designed a planned migration path toward VM-based Kubernetes, GitLab CI/CD, Infrastructure as Code, monitoring, logging, and backup automation.
- Documented service architecture, access methods, and operational considerations for repeatable deployment.

Cybersecurity Testing & Monitoring Lab

- Configured Wazuh SIEM agents, rules, and dashboards for multi-platform logging.
- Performed web application vulnerability testing using OWASP ZAP.
- Practiced security monitoring, vulnerability assessment, and incident investigation workflows through structured lab environments.
- Designed secure API patterns using JWT, TLS, input validation, and least-privilege access principles.
- Prototyped log review and anomaly detection workflows for system monitoring.

Full-Stack E-Commerce Platform

Full-stack web application project using React, TypeScript, Node.js, MySQL, REST APIs, and Dockerized deployment workflows.

- Helped launch e-commerce platform generating monthly revenue by building React + TypeScript frontend with payment integration.
- Designed a MySQL + Node.js backend for authentication, product, and order management.
- Applied RESTful APIs for backend/frontend communication.
- Deployed using Dockerized infrastructure for scalability.