

Osamah Alhwawi

Computer Engineering | Software Engineering | Cybersecurity (eCPPT)

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PROFESSIONAL SUMMARY

Computer Engineering student at the University of Hail (GPA 3.45/4.00) with hands-on experience in full-stack software engineering and cybersecurity. Founded a software studio and shipped 5+ production web and mobile platforms, including a WhatsApp Business SaaS that has processed 2.4M+ messages. eCPPT-certified penetration tester and first-place winner of a national cryptography competition organized by the Ministry of Communications and Information Technology (MCIT). Seeking a cooperative training (co-op) opportunity starting January 2027.

EDUCATION

Bachelor of Science in Computer Engineering — University of Hail, Hail, Saudi Arabia

Expected Graduation: 2027 | GPA: 3.45 / 4.00

- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Computer Networks, Database Management Systems, Embedded Systems, Microprocessors
- **Member:** CyberWings (Cybersecurity Club, University of Hail), Jan 2024 – Sep 2025: CTF training and team projects in Red Team and Blue Team operations

EXPERIENCE

Founder & Software Engineer — WHAOTECH (Freelance Software Studio)

Sep 2025 – Jul 2026 | Freelance | Remote

- Founded a software studio and shipped 5+ production web and mobile platforms, including client projects and in-house SaaS products, owning delivery from client requirements to post-launch support.
- Built back-end services and REST APIs with Node.js, Express, and PostgreSQL; built web front ends with React.js and mobile apps with React Native (Expo).
- Deployed and operated applications on Amazon Web Services (AWS) and Linux servers using Docker and Git.

Key Projects:

- **WhaoApi** — WhatsApp Business SaaS built on Meta's WhatsApp Cloud API that has processed 2.4M+ messages. Implemented webhook-based real-time messaging, a multi-agent shared inbox, a chatbot flow builder, bulk campaigns, and a public REST API. | whaoapi.com
- **WhaoLoyalty** — Digital loyalty SaaS that issues stamp and points cards to Apple Wallet and Google Wallet, with a merchant dashboard, a browser-based POS that scans customer QR codes, and multi-branch support. | whaoloyalty.com
- **QIKCARE** — Salon booking mobile app built with React Native (Expo) and a Node.js/Express API, with online booking and payment, conflict-free scheduling, notifications, and revenue reports. | qikcare.sa
- **EVOLUX** — E-commerce store (React.js) and mobile shopping app (React Native, Expo) for the EVOLUX brand. | evolux.sa
- **Al-Jadwal Al-Sahabi** — Cloud web platform for schools to create and manage class timetables, with automatic distribution of class periods. | aljadwalsahabi.com

SKILLS

- **Programming:** JavaScript, Java, Python, SQL
- **Front End and Mobile:** React.js, React Native (Expo)
- **Back End and Databases:** Node.js, Express.js, PostgreSQL, REST APIs, Webhooks
- **Cloud and DevOps:** Amazon Web Services (AWS), Docker, Linux, Git
- **Cybersecurity:** Penetration Testing, Vulnerability Assessment, Network Security, Cryptography, Red Teaming, Blue Teaming, Capture the Flag (CTF)
- **Embedded Systems and IoT:** Raspberry Pi, Arduino, Microcontrollers, Internet of Things (IoT)
- **Spoken Languages:** Arabic (Native), English (Professional working proficiency)

CERTIFICATIONS

- eLearnSecurity Certified Professional Penetration Tester (eCPPT) — INE Security, 2026 | [Verify credential](#)

AWARDS

- First Place, "Decrypt A Code" National Cybersecurity Competition — Ministry of Communications and Information Technology (MCIT) and University of Hail, 2024. Solved advanced cryptography and code-breaking challenges.

VOLUNTEER EXPERIENCE

- **IT and Administrative Volunteer** — Aazm MS Society, Jan 2025 – Sep 2025: managed IT infrastructure and web development projects, and provided technical support.