

# ZEYAD WALED

+201125555010 • [ziadwaled4@gmail.com](mailto:ziadwaled4@gmail.com) • [zeyad-101.github.io](https://zeyad-101.github.io) • [linkedin.com/in/zeyad-waled](https://linkedin.com/in/zeyad-waled) • [github.com/Zeyad-101](https://github.com/Zeyad-101)

## EDUCATION

**B.Eng., Software Engineering — Egyptian Chinese University (ECU)**

**Expected Jun 2029**

GPA: 3.4 / 4.0 | Coursework: Data Structures, OOP, Digital Logic, Computer Networks, Operating Systems

## TECHNICAL SKILLS

**Languages:** C++, C, Embedded C, SQL, TypeScript, JavaScript

**Embedded & IoT:** ESP32, Arduino, Proteus | Protocols: I2C, OneWire, TCP/IP

**Cybersecurity:** Wireshark, Zenmap

**Automation & DevOps:** n8n, Microsoft Power Automate, Git/GitHub, Linux, Docker

**Developer Tools:** VS Code, Figma, Canva

## WORK EXPERIENCE

**Software Automation Specialist — Spinners Creative Agency**

**Jul 2024 – Jul 2025**

*Dubai, UAE (Remote)*

- Engineered 5 AI-powered outreach and reporting pipelines using n8n and Power Automate integrated with Google Sheets and Lemlist, eliminating 3+ hrs/week of manual data management across international client accounts
- Converted 6 international clients from a 100+ prospect pipeline by diagnosing automation bottlenecks and delivering tailored proposals — achieving ~6% conversion rate vs. ~2% industry average (3x benchmark)
- Managed end-to-end automation delivery across 3 concurrent international client accounts over 12 months, independently handling requirements, workflow iteration, and client communication in a fully remote capacity

## LEADERSHIP & VOLUNTEERING

**Vice Head of HR — IEEE ECU Student Branch**

**Jun 2025 – Present**

*Cairo, Egypt*

- Built an automated candidate-scoring pipeline in Google Sheets with structured rubrics, processing 150+ applicant interviews and achieving ~40% acceptance rate across committee selections
- Delivered structured HR training to 50+ committee members on recruitment frameworks; led branch's largest event drawing 75+ attendees per session

## ACHIEVEMENTS

**National Finalist, Software & AI Track — DIGITOPIA (Ministry of Communications, Egypt)**

**Nov 2025**

- Built a Unity VR application digitizing Egyptian antiquities as interactive 3D models, advancing to national finals out of 25,000+ applicants — completing Phase 2 of Egypt's premier national tech competition

**Member of the Season — IEEE ECU Student Branch** | Awarded for outstanding contribution to branch initiatives, teamwork, and community impact

## PROJECTS

**JobOps (Open Source Contribution)** | TypeScript, Node.js, Cheerio, Docker, GitHub Actions [GitHub](#)

- Contributed 4 merged PRs to JobOps — a self-hosted job-tracking monorepo with 800+ active users and currently a top-3 trending repo on GitHub; built WUZZUF and Khamsat HTML scraper extractors using Cheerio via plugin manifest pattern
- Debugged CI failures (stale lockfile, type errors), fixed health-probe country mismatch, updated Docker Compose watch config — earning Contributor badge, ranked #7 on contributor leaderboard

**TrackWatch** | C/C++, Embedded C, I2C, OneWire, ESP32 [GitHub](#)

- Architected ESP32 health monitor integrating MAX30102, MPU-6050, DS18B20 over I2C/OneWire at ~100ms polling, achieving  $\pm 2$  BPM accuracy validated by real users against a clinical pulse oximeter and commercial smartwatch in live testing
- Firmware sustained 8-hour continuous stress tests with zero crashes, memory faults, or sensor dropouts — shipping simultaneous pulse oximetry, motion, and temperature monitoring on a single low-power device

**Hospital Management System** | C++, Qt6, OOP [GitHub](#)

- Led 7-member team delivering a desktop hospital app covering registration, scheduling, medical records, and billing — designed full GUI from Figma prototype to Qt6 with sub-200ms UI response across all CRUD operations

**ATM System Simulation** | C++, OOP [GitHub](#)

- Led 3-member team to architect C++ ATM simulation with 10+ OOP classes across auth, transaction, and account modules; hardened against 15+ edge cases including overdrafts and auth failures

## CERTIFICATIONS

**Claude 101** — Anthropic

**May 2026**

**Introduction to Cybersecurity** — Cisco Networking Academy

**Apr 2026**

**Network Security & Fundamentals** — ITI / Mahara-Tech

**Mar 2026**

**Introduction to Critical Infrastructure Protection (ICIP)** — OPSWAT Academy

**Feb 2026**

**Overview of IoT Technologies** — Huawei ICT Academy

**Aug 2025**

**Overview of AI** — Huawei ICT Academy

**Aug 2025**

## LANGUAGES

Arabic (Native) | English (Upper-Intermediate / B2+)