Ahmed Mohammed Khaer Alzoubi

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Summary

Computer Engineering graduate (Ajman University, 2026) with hands-on experience keeping Windows and Linux machines running: hardware repairs and upgrades, clean OS installs and dual-boot setups, remote support, and a self-hosted Ubuntu server. I like tracing a fault to its root cause rather than working around it.

Skills

Operating systems: Windows 10/11 (installation, clean-up and tuning), Ubuntu Server and Desktop, dual boot (partitioning, bootloaders, UEFI/BIOS)
Hardware: RAM and storage upgrades, HDD to SSD migration, fan and heatsink cleaning, CPU/GPU thermal repasting
Networking: DNS filtering (AdGuard Home), SSH, static IP addressing, CGNAT diagnosis, Tailscale, TCP/UDP, MQTT
Tools: HWiNFO, Windows Reliability Monitor, CrystalDiskInfo , TreeSize, Rufus, WinSCP, AnyDesk, Microsoft Office
Other: C, C++, 8086 Assembly, MATLAB, Git, Overleaf (LaTeX), Obsidian, Claude Code

IT Support Experience

Laptop and Desktop Maintenance

- Debloated and tuned Windows installs to improve boot time and responsiveness; cleaned up files, recovered disk space and managed startup programs.
- Cleaned fans and heatsinks and repasted CPU/GPU thermal compound to fix thermal throttling and noise on older machines.
- Upgraded RAM and storage, including HDD to SSD migrations.

Operating System Installation and Configuration

- Installed Windows and Linux from clean images on different hardware, configuring drivers, partitions and user environments.
- Set up Windows/Linux dual boot, including partitioning, bootloader and UEFI/BIOS settings; created boot media with Rufus.

Diagnostics and Remote Support

- Diagnosed hardware faults, overheating and crashes with HWiNFO and Reliability Monitor; checked drive health with CrystalDiskInfo and found disk-space problems with TreeSize.
- Gave remote support and file access over AnyDesk and Tailscale; moved files to Linux systems with WinSCP.

Projects

Self-Hosted Ubuntu Home Server
Ubuntu Server, SSH, AdGuard Home, systemd, playit.gg

- Turned an old laptop into a headless Ubuntu server managed over SSH, running a persistent game server through a tunnel because the ISP does not allow port forwarding.
- Deployed AdGuard Home for network-wide DNS filtering and fixed a port 53 conflict with systemd-resolved.
- Traced a blocked connection to carrier-grade NAT at the ISP and identified static IP or bridge mode as the fix.

MyVault – Offline Password Manager github.com/AhmedMKAlzoubi/myvault
AES-256-GCM, Windows, Android

- Offline password manager for Windows, Android and the browser with AES-256-GCM encryption and encrypted paper backups.

Experience

Embedded Systems Intern Jan 2026 – May 2026
SpacePoint *UAE*

- Built the team's web tools (a live telemetry dashboard) and merged three separate internal tools into one platform.
- Worked with ESP32 devices, Wi-Fi and MQTT networking for satellite telemetry testing. Details are under a non-disclosure agreement.

Computer Engineering Club Leader Sep 2024 – May 2025
Ajman University *Ajman, UAE*

- Ran hands-on workshops, organised the university-wide Arduino Design Project Competition, and set up demo hardware at the university fair.

Education

Bachelor of Science in Computer Engineering Sep 2021 – May 2026
Ajman University *Ajman, UAE*

Certifications

AI Infrastructure and Operations – NVIDIA | Fundamentals of TinyML – Harvard (edX) | Design of Digital Circuits with VHDL – L&T EduTech (Dec 2024) | Fundamentals of Digital Design for VLSI – L&T EduTech (Feb 2025)

Additional Information

UAE residence and work visa | Qatar residency permit | UAE driving licence | Degree attested in the UAE, Qatar and Syria
Languages: Arabic (native), English (fluent)
Activities: Robotics and IT Sustainability Hackathon, ADIPEC 2024 (Abu Dhabi)