Abel Tamrat

Junior IT Administrator / IT Support

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Computer science graduate (B.Sc., LMU Munich) seeking an entry-level role in IT infrastructure and operations. Hands-on with Windows Server, Active Directory, DNS/DHCP and Group Policy, plus an ongoing Azure and Microsoft Sentinel monitoring lab.

PRACTICAL IT PROJECTS

MICROSOFT SENTINEL DETECTION LAB (10/2026 - ONGOING)

- Built an isolated Windows Server 2022 VM in VirtualBox (NAT, no inbound port forwarding) as a monitored target, with a clean baseline snapshot as reset point.
- Set up an Azure Log Analytics workspace with a 1 GB daily data cap and an alert rule plus action group that sends an e-mail when the cap is reached.
- Onboarded the server to Azure Arc and resolved a sign-in failure caused by Entra security defaults by analysing the sign-in log, without weakening tenant security.
- Installed Sysmon and wrote configuration rules for process-access events (Event ID 10) to detect credential dumping against lsass.exe; reduced noisy events with targeted exclusions.

WINDOWS SERVER AND ACTIVE DIRECTORY HOMELAB (VIRTUALBOX)

- Set up Windows Server 2022 as domain controller with Active Directory, DHCP, DNS and Group Policy; joined a Windows 10 VM to the domain.
- Resolved helpdesk scenarios hands-on: account lockouts, password resets, Group Policy.

INTERACTIVE HELPDESK SIMULATIONS (SERVICEDESK SIMULATOR)

- Solved 20+ ticket-based support cases independently, covering printers, monitors, docking stations, Wi-Fi, VPN, network drives and two-factor authentication.

EDUCATION

B.Sc. Informatik (Computer Science), LMU Munich 03/2026

B.Sc. Thesis: Algorithmic Loafing in LLM-Assisted Writing · Grade: 2.3 · Disputation: 1.0

- Designed a preregistered four-condition online experiment (N = 96) and built it as a Streamlit web app (Python, Gemini API, live AI-contribution tracking, automated data export)
- Detected unauthorised external AI use in 50% of pilot participants and introduced layered prevention and detection measures to protect data integrity
- Finding: identifiability restored ownership but triggered AI avoidance, lowering text quality

CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals Certificate passed 09/2026
- Google: Technical Support Fundamentals Certificate passed 10/2026

SKILLS

- **Servers and directory services:** Windows Server 2022, Active Directory, Group Policy, user and account management (lockouts, password resets), Oracle VirtualBox (VMs, snapshots)
- **Networking:** TCP/IP, DNS, DHCP, VPN, VirtualBox network modes (NAT, bridged, host-only)
- **Monitoring and security:** Azure Monitor and Log Analytics alerts, Sysmon configuration and tuning, Windows event logging, Azure Arc, Microsoft Sentinel (in progress), security fundamentals
- **Command Line and scripting:** Linux command line (Bash), Ubuntu, PowerShell, cmd, Java, C

SELF-STUDY AND PROFESSIONAL DEVELOPMENT (since 03/2026)

- Further training: OverTheWire Bandit (all levels), TryHackMe Active Directory, LMU M.Sc. aptitude assessment (2026)

LANGUAGES

- German: native, English: fluent (C1)