

OMAR MOHAMMED

IT SYSTEM ADMINISTRATOR | CLOUD ENGINEER

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SUMMARY

Certified IT Specialist for System Integration (IHK) with hands-on experience in building and operating IT infrastructures. I work with server environments, networks, Microsoft 365 services, and security configurations, focusing on stability and reliable system operations. In addition, I have practical experience in cloud and DevOps environments (AWS, Azure, Docker, Kubernetes) and am interested in modern infrastructure and automation technologies.

PROFESSIONAL EXPERIENCE

IT System & Cloud Engineer (Internship)

Mar 2025 - Jan 2026

CBM Projektmanagement GmbH – Hamburg

Worked in a cloud-based environment using Microsoft 365 (Entra ID, Exchange Online, SharePoint). Supported user management tasks such as user creation, license assignment, and managing groups and permissions, as well as IT support activities (tickets via Jira, login, Outlook, and network issues). Gained insight into the local infrastructure based on Proxmox (Linux-based VMs), including DHCP, DNS using Pi-hole, monitoring with PRTG, and a NAS used as a central file server. As part of my final project, I designed and implemented a Nextcloud platform on Proxmox with an OPNsense firewall, a DMZ architecture, and secure access via WireGuard VPN.

IT Specialist for System Integration (Apprenticeship)

Aug 2018 – Jan 2020

MULTI-LITE Lichttechnik Handels GmbH – Reinbek

During my training as a Fachinformatiker for System Integration, I gained practical experience with Windows Server environments, Active Directory user management, and basic network services such as DNS and DHCP. I also supported users in troubleshooting IT issues and helped integrate client systems into the company network. Tätigkeiten im Bereich Computer-Wartung, Netzwerkadministration sowie Einrichtung und Betreuung von Servern und IT-Arbeitsplätzen.

IT Help Desk (1st & 2nd Level Support)

Feb 2010 – Apr 2013

IT Company – Aden, Yemen

In the IT Help Desk role, I supported users with technical issues such as software or hardware problems, Outlook configuration, and printer-related issues. I also assisted in analyzing and resolving basic IT incidents on workstation computers and helped with the installation and basic configuration of software and workplace systems.

PROJECTS

Secure Nextcloud Architecture – DMZ, VPN & VPS-Relay

Oct - Nov 2025

IHK-Abschlussprojekt

Designed and implemented a secure self-hosted Nextcloud infrastructure based on a segmented DMZ architecture. External access was restricted exclusively to WireGuard VPN via a VPS relay to prevent direct exposure of internal services. Implemented firewall rules and TLS encryption to enhance security and system resilience.

Detailed documentation and GitHub links can be found directly on my portfolio website.

Secure Cloud Infrastructure with High Availability and Security

Feb 2025

Cloud Security Project

Designed and implemented a secure and highly available AWS infrastructure including VPC architecture, public and private subnets, security groups, NACLs, and a bastion host. Implemented SSL/TLS encryption, load balancing, auto scaling, and monitoring with AWS CloudWatch to ensure scalability, security, and operational stability.

Detailed explanations and repository links are available on my portfolio website via the GitHub integration

Three-Tier Kubernetes Deployment on AWS

Jul 2024

Cloud & Containerization Project

Deployed a three-tier application architecture (web, application, database) using Kubernetes on AWS. Configured persistent storage, load balancing, and DNS routing to ensure scalability and availability. Managed deployments using YAML manifests and kubectl.

Detailed explanations and repository links are available on my portfolio website via the GitHub integration

SKILLS

Cloud & Infrastructure AWS, Azure, Nextcloud Contabo	Containerization & DevOps Docker, Kubernetes, CI/CD (GitHub Actions, Jenkins)	Virtualisierung Proxmox, Hyper-V	System Administration Linux, Windows, Networking & Security
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EDUCATION

IT Specialist in System Integration (IHK)

Chamber of Commerce (IHK) – Hamburg, Germany

Completed : Jan 2026

High School Diploma

Al Ahdal High School, Aden /Jemen

Completed: Jul 2008

Certifications

- WS Certified Solutions Architect – Associate (2024–2027)
- AWS Certified Cloud Practitioner (2024–2027)
- Professional Scrum Master I (PSM I) – Scrum.org (2025)

Additional certifications and detailed verification links are available on my portfolio website.

ADDITIONAL INFORMATION

Languages: Deutsch, Arabic & English.