



MOHAMMED SHAREEK

IT SPECIALIST | MICROSOFT 365 | CYBERSECURITY

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LANGUAGES

English **FLUENT**

Germany **FLUENT**

Arabic **NATIVE**

PROFESSIONAL SUMMARY

IT Specialist with 2.5 years of hands-on experience at Bruker Corporation, delivering 1st level IT support across Microsoft 365 environments including Teams, SharePoint, Outlook, and OneDrive, independently resolving issues beyond standard scope where access permitted. Experienced in Active Directory administration, endpoint management via Microsoft Intune, PowerShell scripting, and IT infrastructure support across international teams. Currently completing a BSc in IT Security, bringing additional depth in network security, cybersecurity principles, and secure system administration. Known for clear technical documentation, structured problem-solving, and effective communication with both technical and non-technical users.

WORK EXPERIENCE

IT Support Specialist – 1st & 2nd Level

Oct 2023 - Present

Bruker Corporation • Nehren, Germany
User & Access Management

- Administered user and group accounts in Active Directory, including creation, modification, and configuration of permissions and access rights.
- Managed devices and users via Active Directory and Microsoft Azure Intune to support compliance with company security policies.
- Utilized Exchange Admin Center to manage distribution lists, groups, mailboxes and shared mailboxes, and monitor mail flow and message delivery issues.
- Monitored and reviewed quarantined emails in Hornetsecurity, verified their legitimacy, and released approved messages; documented all actions for compliance and audit purposes.
- Set up and configured Samsung and Apple mobile devices for employees using Microsoft Intune.
- Processed Admin-by-Request approvals and assigned appropriate admin rights to users based on business needs.
- Managed users, device setup, access rights, and software provisioning for new employees; activated and deactivated user accounts and recovered devices upon employee departure.
- Managed MFA resets via Microsoft Intune and supported users in setting up YubiKey hardware security keys for account authentication.

IT Infrastructure & Security

- Installed, configured, and troubleshooted VPN clients, BIOS settings, and Office 365 applications.
- Added and configured network printers within server environments.
- Installed and maintained network infrastructure equipment including switches, routers, servers, patch panels, sockets, and cabling.
- Managed and monitored server rooms, including physical security and environmental controls.

Hardware & Software Deployment

- Provisioned and deployed new PCs using SCCM, covering OS imaging, software distribution, and user-specific configurations.
- Migrated and joined user devices to the company domain and Active Directory manually and automated using Powershell Scripts.
- Built, set up, and upgraded computer hardware; decommissioned old workstations and prepared them for reuse.
- Installed and licensed whitelisted software products and upgraded server-hosted applications.
- Installed, configured, and troubleshooted workstations for virtualisation environments.

- Deployed special software to users locally or remotely via Microsoft Configuration Manager (SCCM).

Support & Troubleshooting

- Provided remote and on-site technical support to German and international users via remote support tools and a ticketing system.
- Diagnosed and resolved issues related to user applications, network drives, hardware devices, and connected peripherals.
- Troubleshot and resolved printer problems, network connectivity issues, and telephony setups including GAP, Softphone on telephone systems like OmniVista.
- Provided WLAN access for visitors and ensured proper network segmentation.
- Configured and resolved issues with Microsoft Outlook and OneDrive MS Teams and other Softwares for users across the organisation.

Documentation

- Tracked all IT assets, coordinated repairs with suppliers such as Dell, and managed consumables including printer ink and toner.
- Created and maintained technical documentation and knowledge base articles in Service Management like Matrix42.
- Participated in daily and weekly team meetings and contributed to continuous improvement initiatives.
- Logged and managed changes, problems, tasks, and tickets in the Matrix42 service management system.
- Maintained local IT asset records and device documentation in Excel for internal local auditing and inventory tracking purposes..
- Recovered and documented equipment upon employee offboarding.
- Arranged and scheduled meetings with external support teams.

EDUCATION

Bachelor of Science in IT Security

Albstadt-Sigmaringen University, Albstadt, Germany

Relevant coursework includes Networking, Network Security, Cryptography, Data Encryption, Risk Assessment, Data Privacy, Secure Software Development, Project Management, Social Engineering, Databases, and Digital Forensics. Gained hands-on experience in Python, PowerShell, Bash scripting, java and other Programing languages, vulnerability scanning, penetration testing, Linux and Windows systems administration. Final thesis focused on a comparative analysis of Snort and Suricata, two industry-leading open-source Intrusion Detection and Prevention Systems (IDS/IPS), implemented in a fully self-built virtualized SOC home lab environment including multiple VLANs, Proxmox, various operating systems, Active Directory, pfSense firewall, Security Onion, and Splunk.

PROJECTS

SOC Home Lab — Bachelor Thesis Project Albstadt-Sigmaringen University | 2026

Designed and implemented a fully functional Security Operations Center (SOC) home lab environment from scratch to comparatively analyze Snort and Suricata in both IDS and IPS modes against real-world attack scenarios. The entire lab was independently planned, built, and configured.

- **Infrastructure:** Proxmox VE virtualization cluster across 7 physical nodes with TrueNAS storage, Cisco Catalyst switch with physical cabling and traffic capturing, and pfSense firewall configured with WAN, LAN, VLAN segmentation, DHCP, DNS, custom firewall rules, and SSL/TLS certificates for GUI-accessible VMs. Lab consists of 10+ virtual machines covering attacker, target, monitoring, and infrastructure roles.
- **Active Directory & Windows:** Windows Server 2022 with fully configured Active Directory including domain, Group Policies, users, groups, and domain-joined clients. Sysmon deployed with advanced logging, PowerShell Script Block logging, and GPO-based logging policies.
- **Security & Monitoring:** Snort and Suricata deployed with full rulesets in both IDS and IPS modes. Security Onion for network security monitoring. Splunk with Universal Forwarders across all VMs, dedicated indexes per machine, custom alerts, and SPL queries for log analysis and correlation. Log forwarding configured from all VMs, pfSense, and Security Onion.
- **Attack Environment:** Kali Linux attacker machine, Metasploitable3, and DVWA on Ubuntu Server. Planned attack scenarios include reconnaissance, web application exploitation, lateral movement, Active Directory attacks (Pass-the-Hash, Kerberoasting), and evasion techniques.
- **Automation:** Custom PowerShell management script for remote lab control, automation, and power management across all nodes and VMs.

Activity & Event Booking Web Application Albstadt-Sigmaringen University | 2024

⇒ github.com/tocod-e/Aktivitizer.git

Designed and developed a full-stack web application with two user roles — companies and normal users — each with their own registration, login, and functionality.

- **Frontend:** HTML, CSS, JavaScript — responsive user interface for both company and user roles

- **Backend & Database:** Node.js with MySQL database, including user authentication, session management, and role-based access control
- **Company features:** Registration and login, Upload, post, and manage activities and events on the platform
- **User features:** Registration and login, Browse and search for available activities and events, Select dates and book activities

TECHNICAL SKILLS

Microsoft 365 & Cloud

Exchange Online, Microsoft Teams, SharePoint, OneDrive, Microsoft Intune, Active Directory, Azure Active Directory / Entra ID (Hybrid Environment)

Operating Systems

Windows Server 2016/2022, Windows 10/11, Kali Linux, Ubuntu Server

Security Tools

Snort, Suricata, Wireshark, Nmap, Metasploit, Burp Suite, Security Onion, Splunk, Hornetsecurity, Arkime, Tcpdump, Sysmon

Networking & Firewalls

TCP/IP, DNS, DHCP, VPN (OpenVPN, IPsec, WireGuard — client-to-server), TLS/SSL, PKI & Certificate Management, SSH, VLANs, pfSense, Cisco Catalyst, Firewall Configuration, Traffic Analysis, Intrusion Detection, Network Monitoring, Whitelisting/Blacklisting

Programming & Scripting

Python, Java, JavaScript, C, C++, PowerShell, Bash, SQL, HTML, CSS, Node.js

IDEs & Environments

VS Code, IntelliJ IDEA, Eclipse, NetBeans, Jupyter Notebook, Anaconda

Cryptography

Practical implementation of AES and DES encryption in Python, and RSA and SHA hash functions via command line. Theoretical knowledge of symmetric and asymmetric encryption, stream and block ciphers, DHKE, ElGamal, and Elliptic Curve cryptography.

Systems & Infrastructure

Proxmox VE, TrueNAS, VMware Player, VirtualBox, SCCM, Admin-by-Request, OmniVista, X2GO, PuTTY, Bitvise, WinSCP, FileZilla, TeamViewer, AnyDesk

Databases

PostgreSQL, MySQL, MongoDB, pgAdmin, DBeaver, Hive, Redshift, AWS RDS, Oracle

Web Development

HTML, CSS, JavaScript, Node.js, MongoDB, MySQL

Version Control & Collaboration

Git, GitHub, GitLab, Azure DevOps

IT Service Management (ITSM)

Matrix42 (Ticketing, Asset Management, Change Management, Service Catalog, Knowledge Base)

VOLUNTEER WORK

Board Member

2018 - 2021

Yemeni Students and Researchers Association in Germany (VJSD)

Represented and advocated for the interests of Yemeni students across Germany, managed organisational operations, coordinated community events, and built networks between students and relevant institutions.



VERIFIED & SIGNED BY

Mohammed Shareek

16 May 2026

✓ Verified

