

Elfatih Mohamed Hameid Farah

Network & Systems Engineer

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 [elfatihmh.github.io](https://github.com/elfatihmh)

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Profile Summary

Network & Systems Engineer with 8+ years of experience in system administration, network design, IT support, and data center management. Skilled in Cisco, Huawei, Fortinet, pfSense, Linux, Windows Server, VMware, Proxmox, and cloud technologies (AWS). Experienced in delivering digital transformation, technical training, and academic teaching across multiple faculties.

Professional Experience

Network and System Engineer (Contract)

Ministry of Finance and Labor Forces – Sudan

Nov 2022 – Apr 2025

- Designed and implemented the Financial System for Closed Accounts supporting secure financial operations
- Administered Windows Server environments (AD DS, DNS, DHCP, GPO) and Linux servers (Debian/Red Hat)
- Planned and deployed data center infrastructure covering compute, storage, virtualization, and networking
- Implemented network security using FortiGate and pfSense firewalls including policies and IPsec VPNs
- Reduced unplanned downtime by 30% through backup management and disaster recovery testing

ICT Technical Instructor

Alsalam University – Sudan

2018 – 2022

- Supervised computer network laboratories for practical technical education
- Delivered courses in Networking fundamentals, TCP/IP, Routing & Switching, Windows Server, Linux fundamentals, and Cybersecurity principles
- Designed and delivered practical labs for VLANs, routing, firewall fundamentals, and system administration
- Trained and mentored hundreds of students across multiple faculties

Head of Computer Network Department

Alsalam University – Sudan

Aug 2020 – Dec 2022

- Led design, upgrade, and optimization of multicampus network infrastructure
 - Managed and mentored IT staff and instructors, improving technical operations by 25%
 - Supervised academic delivery of Networking, System Administration, and Cybersecurity courses
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Network and Systems Administrator

Alsalam University – Sudan

Feb 2018 – Aug 2020

- Configured and maintained LAN/WAN networks using Cisco and Huawei routers/switches
- Implemented routing protocols: Static Routing, OSPF (single-area), RIP (basic)
- Reduced connectivity incidents by 40% through proactive monitoring and troubleshooting

ICT Technical Volunteer Consultant

United Nations High Commissioner for Refugees (UNHCR) – El Fula Field Office

2018 – 2021 (Voluntary Service)

- Provided daily operational technical support for humanitarian field office operations
- Established point-to-point wireless connectivity between remote field locations
- Implemented fiber optic and VSAT systems for connectivity in remote areas
- Received official Letter of Recommendation for dedication and service

IT Technical Support Engineer

National Medical Supplies Fund – Sudan

Mar 2018 – Feb 2019

- Provided L2 technical support for end-user systems and network connectivity
- Delivered cybersecurity awareness sessions focusing on phishing and password policies
- Documented technical procedures and support workflows

Key Projects

Ministry of Finance Data Center (2023)

End-to-end design and deployment of servers, virtualization, firewall security, VPN access, backup, and disaster recovery

Alsalam University Data Center Upgrade (2021)

Cisco routing and switching, pfSense firewall implementation, network segmentation, and security hardening

Digital Library Systems (2021)

Deployment of Koha & DSpace on Ubuntu, providing secure digital access for 5,000+ users

Technical Skills

Networking & Security

Cisco, Huawei, Fortinet, pfSense, Ubiquiti, VLANs, OSPF, RIP, VPN, DHCP, DNS, Active Directory, VSAT, Fiber Optics

Systems & Virtualization

Windows Server (2012-2019), VMware ESXi, Proxmox, Hyper-V, Linux (Debian, Red Hat), Group Policy Management

Cloud & Collaboration

Programming & Tools

AWS Cloud Practitioner, Microsoft Office 365, Exchange
Online, OneDrive, SharePoint, Cloud Integration

Python scripting, Bash, WordPress, Joomla, Apache,
Nginx, IIS, Technical Documentation

Education & Certifications

Technical Diploma in Computer Networks

Alsalam University, Sudan (2015 – 2018)

AWS Cloud Practitioner

Google IT Support

Google Project Management

ICSI CNSS

Fortinet NSE 1 & 2


Certified VSAT Installer

References

Dr. Jihad Mohamed Siddig

Dean, Faculty of IT & Computing

Alsalam University


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Mr. Abdu Fare Al Akhdary

Former Field Officer, UNHCR

El Fula Office

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Languages

Arabic: Native | **English:** Professional Working Proficiency (C1 Writing/Reading, B1 Speaking)