

HESHAM BAHHUR

PROFESSIONAL SUMMARY

Systems Administrator experienced in enterprise infrastructure, networking, virtualization, cloud technologies, and automation. Skilled in Windows Server, VMware vSphere, Microsoft 365, Entra ID, AWS, and PowerShell.

CCNA, Security+, AZ-900, and AI-901 certified, with hands-on experience supporting infrastructure modernization, system migrations, identity management, and security improvements. Combines technical expertise with business and leadership experience to deliver reliable, scalable solutions.

PROJECTS

- **Portable Datacenter & Virtualization Lab:** Built a portable Proxmox environment integrating virtual machines, containers, pfSense, Firezone, and segmented networking. Configured secure remote access, monitoring, and infrastructure services for home and travel use.
- **Windows Server, Active Directory & Remote Infrastructure Lab:** Built a virtualized Windows environment with Active Directory, Group Policy, DNS/DHCP, Windows 11 desktops, and centralized file storage. Configured domain authentication, access permissions, and remote connectivity.
- **JARVIS OS — AI Automation & Infrastructure Monitoring:** Developed a self-hosted AI assistant using Python, Google Gemini, cron, nginx, and iOS Shortcuts. Automated daily voice briefings, server-health monitoring, and failure notifications with restricted access and alert deduplication.

Read More Here: [Phase 2 of the Jarvis Project](#)



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SKILLS

Technical Skills

- **Infrastructure & Virtualization:** Windows Server, Active Directory, Group Policy, VMware vSphere, Proxmox, Veeam
- **Microsoft & Identity:** Microsoft 365, Entra ID, Exchange Admin Center, Microsoft Graph, Azure
- **Automation & Deployment:** PowerShell, PDQ Deploy, Datto RMM, automation scripting
- **Endpoint Management:** Iru, Cisco Meraki, Apple/macOS, Windows
- **Networking & Security:** DNS, DHCP, VPN, routing/switching, wireless, Zscaler, Defender, Sentinel One, Wazuh, Wireshark
- **Cloud & Platforms:** AWS, Azure, Linux, Docker, Portainer, Nginx

CERTIFICATIONS

- **Cisco Certified Network Associate (CCNA)** – Issued: October 2026, Expires: October 2029
- **Microsoft Certified: Azure AI Fundamentals (AI-901)** – Issued: October 2026
- **Microsoft Certified: Azure Fundamentals** – Issued: April 2025
- **CompTIA Security+ CE Certification** – Issued: February 2022, Expires: February 2028

WORK HISTORY

Systems Administrator | Oct 2025 - Present

Orion Financial

- Administer and modernize enterprise infrastructure across Windows Server, VMware vSphere, Active Directory, Microsoft 365, Entra ID, and AWS.
- Developed automated Windows Server patching workflows using PowerShell and PDQ Deploy, incorporating centralized logging, post-installation verification, and failure detection to improve update reliability.
- Support infrastructure upgrades and migrations, including Windows Server modernization, domain controllers, RADIUS services, and production systems.
- Manage enterprise identity, endpoint security, and device deployment using Entra ID, Active Directory, Iru, PDQ Deploy, and Cisco Meraki.
- Maintain and troubleshoot virtualization, backup, and cloud services while improving operational reliability, security, and documentation.

Senior Network Administrator | Jan 2025 - Jan 2026

FishbytePCs | Concurrent Role

- Designed, deployed, and maintained network infrastructure supporting LAN, WAN, VPN, and wireless connectivity.
- Implemented network security controls, firewall policies, access management, and intrusion prevention measures.
- Administered routers, switches, firewalls, and load balancers while documenting configurations and troubleshooting procedures.

Store Manager | Oct 2014 - Oct 2025

AN1, INC.

- Managed daily store operations, employee scheduling, training, technical support, and customer service.
- Led team development and operational improvements, balancing business performance, customer needs, and technical problem-solving.

- CompTIA Network+ CE Certification
- Issued: July 2021, Expires: February 2028
- CompTIA A+ CE Certification -
Issued: April 2021, Expires: February 2028

EDUCATION

Professional Training: Azure AI
Fundamentals Course
Tech901 | 2026

Bachelor of Business Administration,
Management Information Systems
The University of Mississippi | 2020

Associates of Applied Science,
Management Information Systems
Northwest Mississippi Community College
| 2014