

NELSON BOSOMPRAH

LEAD IT ENTERPRISE ENGINEER

Cyber Security | Systems & Network Engineer | AI Mastery (Application & Web Development)

Abu Dhabi, United Arab Emirates | +971 54 440 1459 | king_nelson1@outlook.com | www.king-nelson.com

PROFESSIONAL SUMMARY

IT Security, Systems & Network Engineer with **15+ years** of experience supporting enterprise infrastructure, cybersecurity, virtualization, networking and business-critical systems, including Oil & Gas and banking environments. Combines hands-on infrastructure engineering with practical web application development and AI-assisted software creation. At MMEC-MANNESMANN, developed and deployed internal workflow applications and implemented an in-house VMware ESXi virtual-machine environment for the Wrensh Document Management System used by ADNOC. Focused on dependable service delivery, security, operational control, workflow digitization and reducing avoidable recurring technology costs.

CORE TECHNICAL SKILLS

Infrastructure & virtualization: VMware ESXi, vSphere/vCenter, VM provisioning, Windows Server, Linux, Active Directory, Group Policy, application servers, HCI concepts

Networking & security: TCP/IP, VLANs, Cisco switching/routing, FortiGate, Palo Alto, SonicWall, VPN, network segmentation, Microsoft Defender, Qualys, endpoint security

Master Ai ERP & Web Development: AI-assisted / vibe coding workflows; practical use of ChatGPT, Claude, DeepSeek and Ollama to support solution design, coding, troubleshooting and productivity.

Backup & continuity: Veeam Backup & Replication, Acronis, NAS/SAN, HP tape libraries, backup monitoring, recovery planning and disaster recovery

Web & application delivery: Web application development, internal business applications, application deployment and hosting, IIS, Linux LAMP stack, SQL/MySQL fundamentals, SSL

Enterprise IT operations: Microsoft 365, Exchange, Teams, SharePoint, Google Workspace, DNS, SFTP, SAP support, telephony, CCTV, access control and IT documentation

Scripting & diagnostics: PowerShell, Python programming, VBS, Batch, Wireshark, PuTTY, Zabbix, SolarWinds

SELECTED BUSINESS & DIGITALIZATION IMPACT

- ERP application development: delivered a meeting-room booking system and an express electronic document-signature platform, both hosted in-house saving annually builds and deployment cost of approximately US$ 25,000 annually
- Infrastructure cost avoidance: hosted the Wrench Document Management System used by ADNOC on an in-house VMware ESXi VM environment; candidate-estimated avoided cloud spend is approximately US$30,000 annually.
- Operational improvement: helped digitize internal workflows, reduce dependence on external platforms and strengthen direct control over hosting and infrastructure saving Mannesmann energy of approximately US$80,000 annually in terms of IT budget extra expenditure

PROFESSIONAL EXPERIENCE

IT Engineer

MMEC-MANNESMANN (Mannesmann Energy) — Abu Dhabi, UAE | June 2024 – Present

- Developed and deployed Mannesmann-Expresssign- An electronic digital document signing and management platform I custom built for the company and hosted it for production from brainstorming to coding to deployment. Expresssign.mannesmann-energy.ae
- Developed and deployed Mannesmann-Meeting Room System: Meeting Room booking system that facilitates meeting room booking.
- Designed and deployed IT infrastructure for the company's corporate-office relocation within three working days, supporting office and Oil & Gas field locations including Asab and Habshan.
- Deployed and configured HP blade-server infrastructure for Active Directory, ERP application services and backup; managed user profiles and security policies.
- Implemented daily company-data backups using Acronis Backup and Replication.
- Installed and configured network and security infrastructure, including Cisco and D-Link switches, Wi-Fi controllers and access points, FortiGate 40F and Palo Alto 200 firewalls, CCTV, biometric access control and a PABX system with 40 Fanvil phones.
- Developed and deployed the Mannesmann Meeting Room Booking System in-house, digitizing room-booking workflows and reducing reliance on manual coordination or external tools.
- Developed and deployed an in-house express electronic-signature platform to support faster document-signing workflows and internal process digitization.
- Built and deployed an in-house VMware ESXi virtual-machine environment to host the Wrensh Document Management System used by ADNOC, avoiding the need for the planned cloud-hosting approach.
- Estimated financial impact: the in-house hosting approach is reported to avoid approximately US$30,000 per year in cloud costs.
- Apply AI-assisted development workflows using tools including ChatGPT, Claude, DeepSeek and Ollama to accelerate prototyping, coding assistance, technical investigation and solution delivery.
- Troubleshoot network, server and end-user issues to maintain service availability and support business continuity.
- Managed and supervised 3 IT Professionals teams
- Setup IT Infrastructure for FDS Site Office for 55 employees with VPN Tunnel and server deployment.

IT Network Engineer (Contract)

Alpha Data DXB — Cameroon | April 2024 – May 2024

- Documented and analyzed network devices in a major bank's data center.
- Installed Qualys diagnostic tools and collected security and performance data.
- Identified vulnerabilities and recommended improvements to network security and efficiency.

IT Systems & Network Engineer

Al Asab General Transport & Engineering LLC — Abu Dhabi, UAE | September 2019 – May 2024

- Led IT operations, network infrastructure and cybersecurity for the head office and remote project sites across Abu Dhabi, including Mussafah, Habshan, Asab, Rumaitha, Borouge, ASR and Buhasa.
- Designed and maintained physical, virtual and cloud network environments across Azure and AWS.
- Administered Active Directory, VMware vSphere/vCenter, file servers, NAS/SAN storage and application servers.
- Managed backup and disaster-recovery systems using Veeam, HP LTO tape libraries, SAN/NAS storage and automated backup processes.
- Configured and secured FortiGate and SonicWall firewalls, VPN, MFA, web filtering, segmentation, endpoint protection and FortiAnalyzer.
- Supported cloud migrations and operations, including VM provisioning, VPC configuration, access security, maintenance and billing.
- Implemented and managed DNS, SFTP, SQL databases, ERP systems, IIS/SSL web servers and Linux LAMP deployments with OS hardening.
- Administered Microsoft 365, Exchange, Teams, SharePoint and Google Workspace, including email-security controls such as DKIM and SPF.
- Managed network, wireless, telephony, CCTV, access-control and biometric systems; used PowerShell, VBS and Batch for support and troubleshooting.
- Coordinated IT support staff and contractors, procurement, vendors, ticketing, documentation and Oil & Gas cybersecurity requirements.

IT Specialist

Organization Development Institute — Accra, Ghana | 2014 – 2018

- Deployed and maintained institution-wide Wi-Fi and reliable internet connectivity.
- Installed and configured ADSL WAN connections, Cisco routers and local network infrastructure.
- Implemented online and local backups, supported Windows systems and business applications, and resolved hardware, software and connectivity issues.
- Maintained IT documentation and supported system upgrades and email/server operations.

IT Support

Marjorie 'Y' Hotel — Tema, Ghana | 2011 – 2014

- Supported PCs, printers, LAN connectivity and network installation/troubleshooting.
- Maintained hotel Wi-Fi and supported ADEL door-lock and booking systems.

EDUCATION

- MSc, Information Technology — University of the People, USA (DEAC accredited), 2026 (ongoing)
- BSc, Information Systems Technology — Pentecost University College, Ghana, 2016
- HND, Network & Hardware Engineering — NIIT, Ghana, 2013
- Diploma, Communication Studies — African University College of Communications, Ghana, 2013
- High School Diploma — Chemu Senior High School, Ghana, 2009

CERTIFICATIONS

- Claude Ai Mastery Certificate – 2026
- Fortinet Certified Associate (FCA) – FortiGate Security, 2025
- Cisco Certified Ethical Hacker, 2024
- Advanced Diploma in Python Programming, 2026
- Certified Network Security Specialist (ICSI, UK), 2020
- IBM Professional Certificate in Cybersecurity Analysis (Coursera), 2020
- NCCIC (USA) Cybersecurity – IT & ICS Domains, 2018
- CCNA Routing & Switching (Cisco), 2016
- IBM Professional Certificate in IT Project Management
- Diploma in IT Management (Alison), 2020
- ITIL 4 Certificate

REFERENCES

Professional references available upon request.