

Role Profile: Network Engineer

A bit about us...

Amiosec is an exciting and growing UK technology company with innovation, agility, and state of the art technology at its core. We work in partnerships with UK government customers and commercial providers to deliver research, technology, products, and services in the communications security sector.

What We're Looking For

We are looking for a highly competent Network Engineer who is customer focused, self-motivated, innovative and tenacious in ensuring issues and problems are resolved satisfactorily. Reporting to the Service Engineering Technical Manager, you will be part of the Delivery team that completes technical work packages for internal and external projects, designing, building and implementing innovative defence and secure communications solutions, supporting network infrastructure across secure environments and cloud-based services; and providing essential support to our Service Operations teams, in a level 3 support capacity.

This is a really important role for our organisation and will be instrumental in helping us to support the continued growth of our business through the delivery of successful outcomes to our customers.

Work life balance is important, and we offer several options to support our staff. We have an optional 9-day fortnight scheme, which gives the opportunity to compress a fortnight's hours over 9 days to allow every other Friday to be taken off. We have a hybrid working policy with flexibility over working hours and homeworking (this is subject to individual project/business needs).

NOTE: - Due to the nature of our work, all candidates will be required to obtain and maintain an appropriate UK security clearance.

Typical Activities

Subject Area	Activities
Delivery & Maintenance	<ul style="list-style-type: none">• Working in collaboration with Project Delivery teams across Engineering Build Teams, Managed Services, Programme Delivery and Production teams supporting delivery outcomes for all stakeholders and customers.• Configuring, deploying and maintaining network devices including a variety of switches router and firewalls (Cisco, Juniper, Fortinet).• Deploying and maintaining advanced routing solutions with protocols such as BGP and OSPF.• Managing cloud networking in AWS including hybrid deployments, e.g. AWS Direct Connect.• Applying security hardening and baselines to network appliances.• Implementing and maintaining firewalls & VPN configurations.



	<ul style="list-style-type: none"> Analyzing traffic patterns using industry standard tools to support fault finding, bandwidth optimisation and assist with capacity Creating and maintaining network diagrams including both HLDs and LLDs. Applying patches and updates to network hardware and software to maintain security and performance. Deploying and maintaining air gapped networks. Ensuring security hardening best practices are followed and that these remain up to date in various environments. Designing, planning and deploying network infrastructure to support project delivery & internal IT teams.
Support	<ul style="list-style-type: none"> Diagnosing network failures, resolving outages, and working with internal teams to resolve problems. Provide technical assistance, fault diagnostics and support to external customers.
Technology Research	<ul style="list-style-type: none"> Researching and integrating new network solutions. Working with internal solutions architects to develop and design upcoming project architectures. Keeping abreast of new and emerging technologies and evaluating their suitability for upcoming projects or existing environments.

Core Competencies

Subject Area	Competency
Approach	<ul style="list-style-type: none"> Enthusiasm for technology and desire to understand and utilise it to develop innovative solutions Apply logical reasoning and critical thinking to problem solving. Ability to quickly learn innovative technologies as needed. Ability to apply a systematic and methodical approach to debugging/resolving technical issues.
Organisational	<ul style="list-style-type: none"> Self-motivated, planning, organising and monitoring your own workloads and with the ability to work individually or as a member of a multi-discipline team. Willingness to be flexible and embrace new technologies/techniques. Good time management skills, ownership of own deliverables. Tenacious troubleshooting and problem-solving skills.
Communication	<ul style="list-style-type: none"> Strong verbal and written communication skills delivered confidently and with clarity, including generation of written content including reports, technical documents and whitepapers. Ability to investigate and understand customer needs. Active listening skills.
Working Style	<ul style="list-style-type: none"> Ability to work individually or as a member of a multi-discipline team. Self-motivated. Ability to capture and articulate design ideas. Willingness to be flexible and embrace new technologies/techniques. Good time management skills. Ownership of own deliverables.



	<ul style="list-style-type: none"> • Tenacious problem-solving skills.
Innovation	<ul style="list-style-type: none"> • Ability to foster and develop innovative ideas. • Willingness to lead and/or contribute to improvements in project delivery and ways of working.
Customer Focus	<ul style="list-style-type: none"> • Experience in building and maintaining relationships with customers and regulatory bodies. • Always understand and appreciate the customer’s operating environment and prioritisation of their issues and incidents. • Manage and respond to customer feedback and changing requests.

Technical Competencies

Subject Area	Competency
Essential Experience/Skills	<ul style="list-style-type: none"> • Substantial previous experience as a Network Engineer – ideally 5+ years. • Proven experience designing, implementing, and troubleshooting enterprise-level network infrastructures. • Strong experience with Border Gateway Protocol (BGP) implementation, configuration, and troubleshooting in enterprise environments. • Strong knowledge of networking protocols and concepts including TCP/IP, OSPF, BGP, EIGRP, VLANs, VPNs, QoS, and HSRP. • Certified to CCNP level or above, or equivalent vendor specific certification. • Ability to create and maintain comprehensive network documentation, and diagrams (high level and low level designs). • Expertise in configuration and management of networking devices (Cisco) including routers, switches, firewalls, and load balancers. • Experience with cloud networking technologies and architectures (AWS).
Desirable Experience/Skills	<ul style="list-style-type: none"> • Automating network configurations and deployments using infrastructure-as-code (IaC) tools e.g. Ansible, Terraform, or Python scripts. • Monitoring and logging network performance using tools like Prometheus, Grafana, or ELK stack. • Experience with developing and maintaining air gapped networks. • Experience with Voice over IP (VoIP) technologies including SIP, RTP protocols, and implementation/management of Cisco Unified Border Element (CUBE) or similar voice gateways.

Amiosec is committed to providing equality of opportunity for all. We aim to ensure our workplaces are free from discrimination and that our current and future colleagues, are treated fairly and with dignity and respect. Please inform us of any reasonable adjustments that we may need to make. This role / position description is to serve as a guide. It is intended to be flexible and will continue to evolve over time with business needs and demands and may be updated periodically at the Company’s discretion.

