

Role Profile: Systems 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 and products in the communications security sector.

Vacancy Description

We are looking for a Systems Engineer to join the experienced Amiosec build team and report to the Engineering Technical Manager within Delivery. You will implement world leading solutions with main responsibilities including design and building of integrated end to end secure mobility communications systems for our customers. You will complete technical work packages for both internal and external projects, and provide Level 3 support managing, maintaining and supporting computing infrastructure within secure environments and cloud-based services. You will need to be highly organised and efficient with the ability to work in isolation or as a member of a multi-disciplined team. with a common sense and flexible approach.

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.

NOTE: Due to the nature of our work, all candidates may 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.Installing & deploying new infrastructure in support of customer projects (vCenter clusters, Ubuntu/RHEL virtual machines, containerised workloads).System Administration of Linux systems at an advanced level (Ubuntu/RHEL).Administering AWS Cloud environments.Working with cross domain solutions.Writing Ansible playbooks to deploy and manage virtual infrastructure.Implementing CIS security controls and compliance measures (security hardening) to Linux systems.Integrating and testing of new products to enhance new and existing infrastructure.Creating and maintaining high-level system architecture diagrams / documentation.Ensuring security hardening best practices are followed and that these remain up to date in various environments.



Support	<ul style="list-style-type: none"> • Diagnosing system failures, resolving outages, and working with operational teams to resolve problems. • Provide technical assistance, fault diagnostics and support to external customers. • Supporting internal teams to reduce service outages & improve service availability.
Technology Research	<ul style="list-style-type: none"> • Keeping abreast and evaluating latest technologies. • Ability to research, understand and implement new technologies.

The sections below outline the typical competencies that we are looking for. These are wide-ranging and represent the full cross section of capabilities that we seek. Prospective candidates should be able to demonstrate ability in a number of the technical competencies (depending on grade/experience) and as a minimum, satisfy the core competencies as listed. We are **not** looking for full coverage across all of them in any one candidate.

Technical Competencies

Subject Area	Competency
Essential Experience/Skills	<ul style="list-style-type: none"> • Experience as a Linux or Systems Engineer – minimum of 2 years and ideally a minimum of 5 years for Senior Systems Engineer. • Demonstrated knowledge of PKI principles, certificate management, and cryptographic systems. • Working knowledge of AWS Cloud Technologies. • Strong understanding of networking fundamentals, e.g. DNS, TCP/IP, routing, and switching. • Previous experience with Hypervisor technologies, e.g. VMware vSphere, vSAN, vCenter. • Practical understanding of container platforms and orchestration e.g. Docker. • Linux server administration, at an advanced level (Ubuntu/RHEL). • Working knowledge of at least one scripting language, e.g. Python, Bash. • Monitoring and logging of systems using tools like Prometheus, Grafana, or ELK. • Experience with IaC tools (ideally Ansible). • Working knowledge of version control methodologies and practices.
Desirable Experience/Skills (Not essential)	<ul style="list-style-type: none"> • Experience with air gapped environments. • Understanding of cross domain solutions. • Working knowledge of CI/CD principles and implementation in secure environments. • Working knowledge of real-time communication protocols such as SIP, XMPP, and RTP. • Experience with MDM (Mobile Device Management) platforms. • Managing Cloud infrastructure with IaC tools such as Terraform, in a secure manner.



Core Competencies

Subject Area	Competency
Approach	<ul style="list-style-type: none"> • Excellent attention to detail. • Apply logical reasoning and critical thinking to problem solving. • Enthusiasm for technology and desire to understand it, work with it, improving processes, helping to innovate and automate. • Enthusiasm for implementing best practice with a desire to deliver business requirements. • Flexible approach and willingness to try new tools/techniques/methods.
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, presented and 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"> • Collaborative working style. • Ability to work individually or as a member of a multi-disciplined team. • Ability to create and build positive working relationships with colleagues from all backgrounds. • Willingness to engage with the team and help contribute to shared goals.
Innovation	<ul style="list-style-type: none"> • Ability to foster and develop innovative ideas. • Lead and contribute to improvements in systems & support and our innovative ways of working. • Strong problem solving and enabling ethos/approach.
Customer Focus	<ul style="list-style-type: none"> • Experience in building and maintaining relationships with customers and regulatory bodies, investigating and understanding their requirements. • 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. • Liaise regularly with internal and external stakeholders, ensuring they are consulted and informed as required.

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.

