

Role: Software Test Automation Engineer

Type: Permanent

Grade: Advanced or Senior

Hours: Full or Part Time

Location: Chippenham or Tewkesbury

A bit about us...

Amiosec is a rapidly growing UK-based technology company, driven by innovation, agility, and state-of-the-art technology. We collaborate with UK government customers and commercial providers to deliver cutting-edge research, technology, products, solutions, and services in the communications security sector.

We offer a stimulating work environment where engineers have the opportunity to contribute to various projects, from early-stage proof-of-concepts to product development. Our self-managing agile teams utilise a blend of Scrum and Kanban techniques, providing engineers with a sense of ownership and the ability to see how their contributions impact the broader goals of the company.

Fostering collaboration and nurturing talent are fundamental pillars of our culture. We actively cultivate an environment where sharing knowledge and ideas is not only encouraged but celebrated. Our monthly Engineering Forum serves as an invaluable platform for exchanging tips, tricks, and techniques among our diverse teams and projects, facilitating continuous learning and growth.

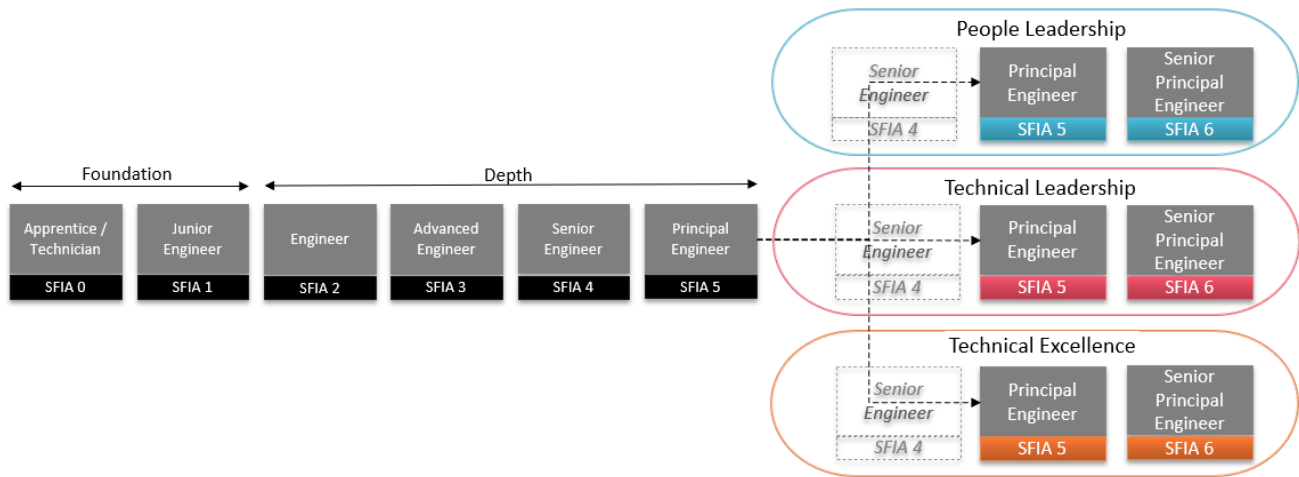
Moreover, we recognise the importance of fostering a strong social bond within our team. That's why we organise regular social activities and gatherings, including coffee and cake mornings and engaging activity days. These events not only foster camaraderie but enhances collaboration resulting in an effective hybrid working scheme, while also ensuring a comfortable and inclusive social atmosphere for all team members.

Committed to nurturing the next generation of talent, we offer comprehensive apprenticeship and graduate schemes. Additionally, our active STEM outreach program collaborates with schools, universities, and initiatives like the NCSC CyberFirst program, empowering young minds and contributing to the future of the industry. We invite passionate individuals to join us in this endeavour and make a meaningful impact.

At the heart of our success lies our engineering team. We recognise that success is not only about what we do but how we do it. While we have standardised processes and workflows like any engineering organisation, we empower our team to own and refine these processes to ensure they remain relevant, helpful, and efficient. We encourage our engineers to actively contribute to improving our working practices and environment, fostering a culture of innovation and continuous improvement.



We are committed to personal development and offer a structured career framework based on industry-standard SFIA grades. Our training programs are tailored to your specific needs and preferred learning styles, encouraging our engineers to enhance both their technical and non-technical skills. The diagram below illustrates the progression through our grades.



We understand the importance of work-life balance and offer several options to support our engineers. Our optional 9-day fortnight scheme allows for flexible scheduling, enabling every other Friday to be taken off, promoting a healthy work-life balance. Additionally, our hybrid working policy strikes a balance between on-site collaboration and remote work flexibility, subject to individual project needs. This approach empowers our team to perform at their best while maintaining a fulfilling work-life balance.

Please note that due to the nature of our work, all candidates will be required to obtain and maintain an appropriate UK security clearance. Join us in shaping the future of our company and making a meaningful impact in the cyber domain.

Software Test Automation

Our business growth has significantly expanded our engineering team, with ongoing plans for further expansion in the future. In addition to our established Tewkesbury offices, we recently launched a new office in Chippenham in June 2024 – an exciting milestone for our company.

We are currently seeking a Software Test Automation Engineer to join our team. Candidates should possess expertise in documenting detailed test scripts and developing automation solutions aimed at enhancing product quality.

Outlined below are typical responsibilities and desired competencies that we are seeking. These encompass a broad spectrum of skills and abilities that we value. Prospective candidates should demonstrate proficiency in several technical competencies (depending on grade and experience), while meeting our core competency requirements. We do not expect candidates to excel in all areas simultaneously.

Typical Activities

- Development and maintenance of high-quality test cases to be executed against software and hardware products
- Design and implementation of test automation solutions to bring speed and repeatability to test cases
- Involvement in formation of test strategy for projects/products
- Authorship of formal test documentation
- Review and scrutinise other technical documentation (e.g., requirements documentation, design, and architecture documents)
- Active participation in team planning and progress activities such as daily stand-ups, planning and design meetings
- Review and recommend enhancements for test processes and workflows across the organisation

Technical Competencies

Subject Area	Competency
Experience/Skillset Essentials	<ul style="list-style-type: none"> • Ability to design and document high quality test scenarios for use in manual and automated testing • Experience using Linux as a development operating system • Experience with Source Code Management tools (e.g. Git, SVN, Mercurial) • Experience with continuous integration platforms (e.g., Gitlab CI) • Understanding of IP/networking concepts (e.g., IP addressing, subnetting, routing, switches) • Understanding of cryptographic concepts (public/private keys, certificates) • Experience of COTS and bespoke hardware platforms • Experience testing hardware using multimeters, oscilloscopes (desirable) • Understanding of virtualisation technologies such as Docker or Firecracker (desirable)

Subject Area	Competency
Programming / Scripting Languages	<ul style="list-style-type: none"> • Python • Bash • Test frameworks such as Robot & PyTest • Understanding of software development languages such as C/C++, Rust, Javascript (desirable) • Packet processing software such as DPDK (desirable)
Documentation	<ul style="list-style-type: none"> • Ability to write clear and well-formed technical documentation, which may be customer-facing

Core Competencies

Subject Area	Competency
Approach	<ul style="list-style-type: none"> • Enthusiasm for hardware design involving the latest technologies
Working Style	<ul style="list-style-type: none"> • Able to work individually or as a member of a multi-discipline team • Self-motivated • Willing to be flexible and embrace new technologies/techniques • Good time management skills and ownership of own deliverables • Good troubleshooting and problem-solving skills
Customer Focus	<ul style="list-style-type: none"> • Good communication skills (including generation of written content including reports and technical documents) • Able to investigate and understand customer needs
Innovation	<ul style="list-style-type: none"> • Able to foster and develop innovative ideas • Lead and contribute to improvements in production and customer support and innovative ways of working

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 to the application or interview process.