

Role: Senior / Principal Electronic Design Engineer

Type: Contract

Grade: Senior or Principal

Hours: Full or Part Time

Location: Tewkesbury

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, solutions, and services in the communications security sector.

We provide a stimulating working environment, with an opportunity to be involved in various projects from early-stage proof-of-concepts using emerging technologies, tools and languages, through to product development. We run self-managing agile teams using a mixture of Scrum and Kanban techniques so that engineers get a great sense of ownership of their work and can directly see how their efforts contribute to the bigger picture and help our customers achieve their goals.

Collaboration and team spirit are key – we actively seek to share knowledge and ideas. Our monthly Engineering Forum provides an ideal opportunity for sharing tips, tricks, and techniques between projects/teams. We organise regular social activities and gatherings such as coffee and cake mornings and activity days – something we feel is important to support our hybrid working scheme and maintain a comfortable social atmosphere.

Our engineering team is key to our success as a business and this not only includes what we do, but how we do it. Like any engineering organisation we have standardised processes and ways of working but these are owned by the engineering team, and we work to ensure that they are relevant, helpful and as efficient as possible so that we can focus on what we are good at – the engineering. We actively encourage our engineers to contribute to improvements in our working practices and environment and try out innovative ideas with a view to rolling things out that work well for us.

Work/life balance is important, and we offer several options to support our engineers. 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, where we ask for a split of 3 days on site (Tewkesbury) and 2 days remote (this is subject to individual project needs).

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



Senior / Principal Electronic Design Engineer Vacancy

Our success as a business has seen our engineering team size increase through continuous and sustained growth and will expand further for the foreseeable future. In addition to our Tewkesbury offices, we have recently established a new office in Chippenham – an exciting time to be part of the company. We are looking for a Senior or Principal Electronic Design Engineer to join our team and support the continued growth of the business, bringing a wealth of experience to the team. You will undertake a wide range of tasks, in an exciting and supportive environment where we create innovative technology solutions to our customers.

General responsibilities include design, implementation and verification of innovative and complex solutions that help to solve the difficult problems our customers present to us in the encryption and cyber security space. You should be comfortable working as part of a multi-disciplined engineering team, where a focus on teamwork is essential. We are looking for someone who enjoys being a technical support and mentor to junior engineers as our team continues to grow, with potential line management responsibility.

Prospective candidates should be able to demonstrate their ability in a number of the technical competencies (depending on grade/experience) and as a minimum, satisfy the core competencies listed.

Core Competencies

Subject Area	Competency
Approach	<ul style="list-style-type: none"> • Enthusiasm for electronic design involving the latest technologies • Conscientious and with an eye for detail • Enthusiasm for continuous professional development, a willingness to learn/train in new skills
Continuous Improvement	<ul style="list-style-type: none"> • Review and recommend enhancements for company products, processes, and workflows
Customer Focus	<ul style="list-style-type: none"> • Effective communication skills (including generation of written content including reports and technical documents) • Ability to investigate and understand customer needs
Innovation	<ul style="list-style-type: none"> • Ability to foster and develop innovative ideas • Lead and contribute to improvements in design, production, customer support and innovative ways of working
Working Style	<ul style="list-style-type: none"> • Ability to work individually or as a member of a multi-disciplined team • Self-motivated • Willing to embrace innovative technologies/techniques • Good time management skills and ownership of own deliverables • Good troubleshooting and problem-solving skills



Technical Competencies

Note; we are not looking for full coverage of the technical competencies listed in any one candidate.

Subject Area	Competency
Design Experience	<ul style="list-style-type: none"> • Digital and analogue electronic schematic design, simulation, implementation, and verification • Multi-layer Printed Circuit Boards (PCBs) design involving high speed devices: FPGAs and/or processors • Experience with Altium Designer, or equivalent • Experience with consumer products from concept through to production • Troubleshooting, modifying existing designs, recommending and implementing design improvements • Undertake analysis of circuits for design assurance, DFM, FMA • Working knowledge of RF design, e.g. Wi-Fi, NFC or cellular • Understanding of cryptography
Technical Leadership	<ul style="list-style-type: none"> • Investigation, proposal and selection of relevant standards • Develop new techniques/methods and their supporting processes • Assist others as a technical specialist/advisor
Documentation	<ul style="list-style-type: none"> • Review technical documents for conformity and quality • Author technical documentation, including research reports, and technical proposals to support bids • Tailor document style and content appropriately for consumption by a wide range of stakeholders (customers, evaluators, engineers, management, etc.)
Engineering Support	<ul style="list-style-type: none"> • Provide technical expertise to broader product development activities • Provide fault diagnostics (e.g. returned products) to assist in product improvements • Client facing support
Technology Research	<ul style="list-style-type: none"> • Evaluation of emerging technologies (e.g., processors, System on Chip, etc. in the context of Amiosec products and roadmaps)

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.