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**Screening Questions**

* Are you a UK Citizen?
* Have you worked outside of the UK in the past five years?
* Have you been residing in the UK for the past five years?
* What is your country of birth?
* Do you hold dual nationality?

**Full Job Description**

SNC MS UK are looking for a **Software Developer (Year in Placement)**

Sierra Nevada Corporation (SNC) is a trusted leader in solving the world’s toughest challenges through advanced engineering technologies in Space Systems, Commercial Solutions, and National Security and Defence. With applications including navigation and guidance, communication and surveillance systems, electronic warfare and aircraft systems.

SNC Mission Systems UK is an established mission partner and “go to” company in the UK for Tactical and Operational Communication Information Systems and service integration. Driven to continuously improve services at pace for customers through research and development whilst also leveraging the wider SNC Corporation to deliver the best of breed capabilities and solutions to Defence and other areas of the UK Government.

**Job Description**

Within our South West region our team has strong positions with key clients in Defence. Due to our continued support to the MoD on various national long-term frameworks we have a number of opportunities and are currently seeking applications from Software Developer students interested in working in the Defence Sector.

We are looking for a Software Developer student who's truly passionate about pushing the boundaries of technology. In this role, you'll be an integral part of our team of skilled software developers, collaborating to design and develop the next generation of applications and plugins. Your focus will be on advancing autonomous systems, refining tactical communication interfaces, and contributing to various research projects. SNCMSUK are looking for dynamic individuals to join our team who have a positive outlook, are seeking development opportunities and have a strong foundation of technical understanding in their core area of activity. The ideal candidate would preferably have exposure to modern Machine Learning practices. Our AI solutions are wrapped in software that is built in-house, so software knowledge is the primary requirement for this role, with AI/ML understanding as a secondary skillset.

### **Our Commitment to You:**

By joining SNC MS UK on a **University Year in Placement**, you will gain a unique opportunity to:

* **Insight into the Defence Industry:** Understand the workings of a key player in the defence sector.
* **Hands-on Experience:** Work on real-world projects with significant impact.
* **Mentorship:** Benefit from guidance from experienced professionals.
* **Multi-disciplinary Exposure:** Collaborate with teams from different departments such as engineering, operations, and sales.
* **Professional Development:** Gain valuable technical and project management skills and take part in training and development opportunities.
* **Security and Compliance Awareness:** Learn about defence industry standards and government compliance.
* **Potential Career Pathway:** A placement with us could open the door to future opportunities within SNC MS UK.

By joining SNC MS UK for a University Year in Placement, students will gain invaluable skills, experience, and exposure that will accelerate their professional development and open doors in the defence and technology sectors.

**Job Role:**

* Collaborate with cross-functional teams to define, design, test, and deliver new features and plugins for existing applications.
* Utilise third-party SDKs and APIs to enhance application functionality and interoperability.
* Conduct comprehensive unit testing to ensure code robustness, covering edge cases, usability, and general reliability.
* Address bugs and optimise application performance through systematic bug fixing and performance tuning.
* Continuously explore, evaluate, and integrate new technologies to enhance development efficiency and stay ahead of industry trends.
* Design and develop technically advanced applications for seamless integration into the company's DevOps pipeline.
* Participate in code reviews to ensure adherence to coding standards, best practices, and maintainability.
* Actively participate in Agile development processes, including sprint planning, daily stand-ups, and retrospectives, to ensure timely delivery of high-quality software.

**Skill and Experience**

* Working towards a bachelor's or master's degree in computer science, Engineering, or a related field.
* Knowledge and experience of AI/ML, specifically within the vision domain, is preferable.
* Demonstrated experience in software development.
* Understanding of SDKs and APIs to integrate third-party functionalities.
* Understanding of working with remote data via REST and JSON.
* Established knowledge in at least one of the following programming languages: C++, C#, JavaScript, or Python.
* Familiarity with third-party libraries, repositories, and APIs.
* Good understanding of software development principles such as Object-Oriented Programming (OOP) and SOLID (Single responsibility principle, Open-closed principle, Liskov substitution principle, Interface segregation principle, Dependency inversion principle).
* This Software Developer role offers a great opportunity for personal and professional development. It is a chance to be part of a dynamic team that works alongside exciting future projects.
* The post is at St Athan, South Wales
* Closing date 14th February 2025
* The post is full time.
* 28 days a year paid leave excluding bank holiday entitlements
* How to Apply: Complete the [Microsoft Form](https://forms.office.com/e/uHZPvT1DhF) and send your CV to [ananya.chaterjee@swansea.ac.uk](mailto:ananya.chaterjee@swansea.ac.uk) to be considered for the role.

SNC MS UK are Armed Forces Covenant members. The company strongly endorses our Armed Forces, and offers 15 days paid leave for reservists and 5 days a year paid leave for Cadet Forces Adult Volunteers