



World Class Spatial Information Technologies

Job Description: Software Engineer

COMPANY: Envitia Ltd
JOB TITLE: Software Engineer
DEPARTMENT: Engineering
LINE MANAGER: Team Leader,
OTHER INTERFACES: Project Manager and Engineering Manager

OVERVIEW

ENVITIA is a leader in geospatial and environmental information systems and technology for mission and business critical applications. Our customer base comprises companies and institutions from the government, defence and national infrastructure sectors. The Company provide products and consultancy that assist clients in their management of environmental and tactical information. With an increasing portfolio ENVITIA is seeking additional software engineers to join the divisional development teams. Due to the nature of the domain, these roles would suit software engineers who have a particular aptitude for algorithmic/mathematical based products.

BACKGROUND

ENVITIA comprises three business divisions covering Defence & Security, Intelligent Transport and Government & Utilities. A corporate services team provides support for each of these divisions.

The Defence & Security Division provides end-user solutions and products direct to the military, Joint Forces and supporting Agencies throughout the UK MoD and NATO, as well as supplying major prime contractors and VARs with specialised software components for the realisation of high performance geospatial applications worldwide.

The Intelligent Transport Division focuses on the provision of integrated traffic and transport network management and information solutions in the UK and is one of the leading suppliers of Common Database systems for Urban Transport Management and Control.

The Government & Utilities Division delivers GI technology and products for enterprise interoperability and productivity solutions in Central and Local Government as well as Utilities. The Company has particular skill in data quality management and correction techniques for asset management.

Vacancies for the Software Engineer role exist in all division.

Further Company details can be found on our website; www.Envitia.com

PURPOSE

The purpose of this role is to provide full software lifecycle expertise to the divisional software teams. The successful applicant will be expected to take responsibility for Software requirements capture and analysis, design, development, test, Customer Acceptance, on-site installation and support for the components of the Company's spatial information applications. The role will also cover pre-sales support and end user training.



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KEY RESPONSIBILITIES:

This role will have complete responsibility for the quality, accuracy and sustainability of the assigned software development. In addition, it is the responsibility of this role to ensure that all assigned work is performed within the agreed constraints, specifically those of time and budget.

Key Duties:

This role assumes the following key duties:

- With guidance, provide software estimates that accurately reflect the size and resources required of requested developments.
- Undertake design activities to develop sustainable software designs that can be communicated to other team members.
- Undertake software coding activities, taking into consideration Company and industry best practices.
- Design and implement comprehensive tests, taking into consideration Company and industry best practises.
- Design and implement Customer Acceptance tests, taking into consideration Customer imposed, Company and Industry standards.
- Perform installation on Customer sites taking into account Customer site constraints where applicable.
- Provide documentation to an appropriate level for the intended audience, taking into account that the audience may vary from internal staff members to senior customer figures.
- Ensure that all work adheres to company standards.
- Provide second and third line product support.
- Build relationships with all other areas of the business to assist the communication of concepts, ideas business and technical information.
- Assist the Technical Team Lead to provide flexible solutions that balance the technical and business needs of the Company.
- Maintain an accurate record of progress using company tracking tools
- Provide periodic, accurate progress reports to Project Managers and Technical Team Leads.
- Provide pre-sales support to the Business Development Teams.
- Provide End User training to personnel both internal and external to the company.
- Present a professional and focussed interface to ensure clarity of communication in support of business objectives.

EXPERIENCE & SKILLS:

- A minimum of 2 years experience in full software lifecycle development from requirements capture through to post deployment support.
- A minimum of 2 years experience in C++ development within a recognised business environment. Experience of other languages such as Java and C# would be an advantage.
- A minimum of 2 years experience in object oriented design and development using industry recognised tools and techniques. Expertise in design methodologies such as UML would be useful
- Experience in customer facing roles where customer communication played a significant part, would be an advantage.
- It is essential to have experience of using development environments such as Microsoft Visual Studio .NET 2003.



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- It is essential to have a good understanding and practise of configuration management techniques and tools. Familiarity with Rational Rose Enterprise Architect and StarTeam would be advantageous.
- It is essential to have a good understanding and practise of development tools that assist quality and performance of development activities. Familiarity with Purify, Quantify and PC Lint would be advantageous.
- Knowledge and use of Oracle, .NET and/or J2EE Web Services would be advantageous.
- Degree or industry recognise equivalent in a Computer/numerate related (Maths, Physics, Computer Science) subject is preferred though consideration will be given to candidates with experience of algorithmic/mathematical problem solving.
- Any experience of Unix, Linux, VXWorks, Apache Web Development would be desirable.
- GIS (Geospatial Information System) domain experience would be highly desirable.

ATTRIBUTES:

- Strong communication skills, both written and verbal.
- Able to establish strong working relationship at appropriate levels of seniority.
- Ability to learn and deploy new technology and development skills.
- Well organised
- Strong problem solving skills that provide flexible and well considered solutions

WORK LOCATION:

- Primarily based in ENVITIA's offices in Horsham, West Sussex.
- Occasional need to work at customer site for short periods, for example during system integration and acceptance, or when providing consultancy services.