

Job Description

Job details

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|---------------------|-------------------------------|--------------------------------|---|
| Job Title: | Software Development Engineer | Reports to (Job Title): | Global RISKWISE Engineering Product Manager |
| Job profile: | Senior Engineer | Contract: | Full time |
| Location: | Chennai, India | Salary: | Competitive rates |

Description of role

TWI (India) Pvt Ltd have an exciting new role for an experienced Software Engineer in Chennai, India. The successful candidate will be responsible for writing functional code for engineering software development and should have the ability to spot and rectify any errors. We would like to involve an avid software engineer with advanced knowledge in software design/architecture and the .NET framework. The role requires working closely with the cross-functional department to convey project status and the internal team to design, develop and maintain software. Therefore, strong written and verbal communication skills are essential.

Primary duties and responsibilities:

- Participate in requirements analysis and contribute towards defining, analysing, and aligning expectations of all stakeholders
- Work closely with regional teams to develop software design and architecture
- Use appropriate software design, database, and technology to compile clean syntax using .NET programming languages to ensure the quality and scalability of the code
- Contribute to the development of innovative solutions meeting internal and external customer requirements
- Define and deploy software system validation and testing methods for various applications and systems
- Code refactoring and fixing bugs
- Update/upgrade existing software for improved performance, functionality and effectiveness
- Prepare necessary documentation and manage the software development life cycle



- Attain expertise in various applications/products and offer technical support
- Develop an understanding of customer requirements and use of state of the art technology to address engineering challenges efficiently through software applications.

Key Requirements:

- Minimum five years of experience in software engineering/development using .NET programming languages
- Excellent coding skills and command of at least one of the .NET languages (C#, Visual basic)
- Working knowledge of SQL Server, ASP.NET framework and design/architectural patterns
- Practical knowledge of continuous integration and concurrent development source control (Git)
- Skilled in utilising object-oriented programming concepts
- Ability to implement agile methodologies
- Knowledge of architectural / API styles such as REST, RPC
- Ability to explore applications of AI and ML
- Passion for radical/disruptive innovation
- Excellent presentation and communication skills
- Strong drive to collaborate
- A confident outlook that inspires the same in others

Key accountabilities

- Work closely with TWI's Engineering software development team based in the region and abroad towards achieving software development goals
- To plan/deliver projects in time, exceeding customer expectations
- To contribute effectively towards developing a high-performance scalable software team in the region

Person specification

| Criteria | Essential | Desirable |
|---|---|---|
| Qualifications | <ul style="list-style-type: none"> Engineering or Physical Science Degree in a subject relevant to engineering software development | |
| Skills | <ul style="list-style-type: none"> Coding & software development OOPC .NET languages Software validation and debugging python Excellent presentation and communication skills Problem-solving and logical thinking | <ul style="list-style-type: none"> AI and Machine learning |
| Competencies aligned to Organisational values | Conducts themselves in line with TWI's Corporate Values of: <ul style="list-style-type: none"> Teamwork Innovation and expertise Taking responsibility Customer focus Adaptability Inclusion | |

About us

TWI (India) Pvt Ltd is a fully owned subsidiary of TWI Ltd; a world expert in engineering, materials and joining technologies. We provide the industry with advice and know-how in design, fabrication, failure analysis and prevention.

Diversity statement

TWI Ltd is committed to treating all employees fairly and to being an inclusive employer. Our aim is to create a work environment where our employees can reach their full potential. We put Equality, Diversity and Inclusion at the heart of our people practices to attract, develop and retain the best talent.

As one of the world's leading independent research and technology organisations, we are committed to attracting, motivating and retaining the best talent from around the world. Our goal is to develop the next generation of experts to address future industry challenges.

We are committed to creating a culture that recognises and respects the differences between people while valuing the contribution everyone makes to TWI.

The diversity of our staff and students makes a positive and important contribution to our continuing success.

TWI offers a comprehensive training programme, incorporating both in-house and external courses to support staff development.

TWI Values

Teamwork

Building effective working relationships, we accomplish more together

Innovation and Expertise

Championing new ideas and sharing knowledge with each other

Taking responsibility

Achieving our objectives and personal development

Customer focus

Building trusting relationships with our customers

Adaptability

Accepting and engaging positively with change

Inclusion *Valuing the contribution from every individual, creating value for our customers*