



POSITION DESCRIPTION

Software Engineer / Programmer Safearth, Warners Bay

July 2017

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Software Engineer / Programmer

Position Summary

Safearth are seeking 1 or more programmers to join our team of expert consulting engineers and developers who lead the world in the field of power system earthing.

Safearth pioneers next-generation techniques and technologies to improve how power system safety is assessed. Our products need to demonstrate assurance, security and reliability within highly competitive and conservative markets.

We need versatile staff who are enthusiastic to tackle new problems across all our customer application areas and bring fresh ideas and experience from all backgrounds.

This role will involve development and support of both front-end applications and back-end services for a variety of software, ranging from technical engineering simulation and analysis tools, through to business support software.

Our primary development platform is .NET/C#, with WPF/WinForms client apps, and backend services deployed using .NET Core and Docker.

There is scope for the right candidate to expand their role into other areas such as Mobile-, Web-, or even Embedded Systems and Firmware Development.

The Safearth culture is based around our team. We have strong values regarding how we do business, with respect for our customers and for our team at our core.

This position will be based at our Head Office in Warners Bay NSW.

How to Apply

Send applications via email to:

careers@safearth.com

or, via post to our Head Office.

Late applications may be considered at our discretion.

Character Attributes

- Enthusiastic and efficient person, with a positive attitude to teams, safety and the environment.
- Ability to positively contribute to cross-functional teams, and work under direction when required.
- Self-motivated and proactive
- Aptitude for listening and understanding the needs of clients.
- Penchant for optimisation and continuous improvement – desire to build “new and better tools”.

Essential Experience

- Highly proficient in OO development using C# and the .NET ecosystem (or other high level languages such as C++, Java, Python)
- Desktop application design and implementation
- Demonstrated ability to identify and execute innovative technical solutions – creating and following an implementation plan from idea through to practical outcome.
- A comprehensive knowledge of software engineering practices, with a relevant degree, diploma, or equivalent.
- Good communication skills in English.

Desirable Experience

- RESTful API design and implementation of microservices
- Effective use of collaboration tools as part of a team, e.g. revision control, issue tracking, messaging, Atlassian tools.
- DevOps tools & processes
- Database design & usage (relational and/or NoSQL alternatives)
- Cloud computing platforms
- iOS or Web development
- Mathematical proficiency, especially topics related to electrical engineering such as Linear Algebra, Multivariable Calculus, or Signal Processing
- Concurrent programming (e.g. multi-threading, message passing)
- Application deployment/updating frameworks and techniques
- Networking infrastructure and protocols
- Alternate programming languages & paradigms
- Low-level languages such as C or HDLs
- Electrical engineering principles and practice
- Private sector business experience