

Job Title: <i>Software Engineer</i>	Location: <i>North Yorkshire or North Nottinghamshire</i>
Department: <i>Controls and Automation Engineering</i>	Contract: <i>Permanent</i>
Reports To: <i>Software Engineering Supervisor</i>	Direct Reports: <i>None</i>

1.0 Job Summary & Role

Working within the Controls and Automation department at DSE Ltd to develop software on a range of platforms for industrial control products. The primary developments you will be involved in are DSE suite of configuration, DSE SCADA tools and DSEs remote telemetry system (DSE WebNet). In addition, there will be a number of ancillary tools and business systems that require development, as well as occasional IT support.

2.0 Key Responsibilities & Main Duties

- Work at project inception to capture requirements for software development,
- Increase knowledge of power generation, control and automation system applications
- Produce professional documentation as a key part of the full development lifecycle.
- Develop software in a range of languages including C#, JavaScript, HTML and PHP.
- Mobile application development for Android and iOS mobile applications.
- Remain up to date with the latest technologies and make suggestions on how these can be used, be open and innovate in the use of new programming platforms and tools.
- Work with marketing to design and implement modern user interfaces and experiences

3.0 Internal & External Relationships

Engineering Department – working professionally within in a distributed team of software engineers
 Engineering Project Managers - agree timescales and deliver tasks/projects within them
 Test and Approvals department - clarification of software operation during testing

4.0 Key Performance Indicators

- Successful delivery of professional and quality software solutions that meet business's needs
- Deliver solutions to estimated timescales
- Have good communication skills to both technical colleagues and managers alike
- Strive for personal growth as a professional software engineer
- Grow application knowledge for industrial control systems



JOB DESCRIPTION & PERSON SPECIFICATION



5.0 Essential/Desirable Factors

Knowledge	
Essential: Visual basic .NET and C# Java script Revision control systems, DevOps / TFS / Git	Desirable: Back ground in electrical systems, knowledge of the power generation industry HTML, PHP, other software languages API programming (JSON) HTML/CSS/JS
Skills & Attributes	
Essential: Good Object Orientated design skills	Desirable: React Native for Android and iOS Build systems
Experience	
Essential: Experience with multiple programming languages in a commercial engineering department Previous experiences of controls and automation software development.	Desirable: Understanding of networking in a high availability environment Hypervisor setup, configuration and management (vSphere/ESXi) Linux server setup and health monitoring (CentOS or other RedHat based distro)
Qualifications	
Essential: Bachelor of Science in IT/Software Engineering or equivalent	Desirable: Masters of Science

Created by	Dated Created
Scott Preece	15/03/2022

This information has been discussed and agreed with the new employee as part of the onboarding process:

Job Holder

Signature	Print Name	Date
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Line Manager

Signature	Print Name	Date
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