

DRTS Ltd

JOB DESCRIPTION

Post Title: Web System Developer

Post No: DRTS003

Purpose of Job

To undertake analysis and development of web server based software for complexity analysis, including management and deployment of cloud platform using open source software.

Duties and Responsibilities

1. Design and implement back-end business applications while working closely with other developers, business analyst and user experience.
2. Design software applications using Java, C++, XML, Python among others.
3. Translate business requirements into a first class data analysis platform using complex systems methodologies.
4. Evaluate, prototype and recommend Web-based technologies, including web communications, data handling and cloud platform systems. To manage the use of open-source software in production software releases.
5. To participate in software architecture and code reviews, use software revision control, use UML design and code generation and software testing to assure software quality and meeting user requirements.
6. To assist in analysis and design using object oriented methods and agile process techniques.
7. To complete of software development to the requirements of the senior management.
8. To respond to customer requests for assistance on software use, licensing, bugs and trouble shooting.
9. Where required, to assist in the presentation of DRTS and products to customers and other stakeholders.
10. To participate and provide progress reports on regular basis to assist in planning and monitoring of development.
11. To assist in other administrative tasks associated with software engineering, monitoring and control.
12. To carry out such duties as may be required within DRTS Ltd and associated business or other instructions from the senior members of DRTS Ltd.

Working Conditions

1. Position is initially located in North London, local candidates are preferred, but will consider strong remote candidates.
2. Most duties performed in usual office conditions.
3. Occasional travel to professional meetings and working trips as required.

PERSON SPECIFICATION

Post Title: Web System Developer

Post No: DRTS003

Department: Research & Development

ATTRIBUTES	ESSENTIAL	DESIRABLE	SOURCE OF EVIDENCE
Knowledge	In depth knowledge of one or more of the following areas: <ul style="list-style-type: none"> • Mathematics • Object-oriented design • Software engineering methodologies • Web-based systems and cloud computing 	<ul style="list-style-type: none"> • Data visualisation • Agile Processes • UML • Human Interface Design • Multi-platform development • Distributed Systems • Map Reduce Methods 	Application form References Interview
Skills	Ability to carry out software development effectively. Ability to program in Java or C++. Ability to understand XML, web APIs. Ability to work effectively in a team. Ability to communicate effectively in English, both verbally and in writing. Self-organisational and self-motivational skills.	Skills in the following technology areas: <ul style="list-style-type: none"> • Python, PHP, Ruby on Rails • SQL, JDBC • Web-based Service Oriented Architecture • Unit testing • Source revision control • Matlab • Matrix theory 	Application form References Interview
Experience	Two to five (2-5) years development experience in which the largest part of that time has been spent delivering web applications.	<ul style="list-style-type: none"> • Commercial experience of full lifecycle of software development. • Experience managing, deploying and maintaining web services and web based systems • Remote debugging • Customer support. 	Application form References Interview
Qualifications	Bachelor degree in Computer Science, Mathematics, Engineering or a related discipline.	Membership of BCS, IEEE, IET or equivalent.	Application form Certificates
Values	Aptitude for learning and applying programming concepts Able to work collaboratively on product development. Active approach to understanding the agile engineering process and software quality control and testing Able to self motivate when under taking small development projects and meet deadlines. Willingness to communicate with customers face-to-face and online to assist in user training, bug fixing and requirements gathering.		Application form References Interview