

JOB DESCRIPTION

Job Title: Data Integration Specialist (SQL data management & Front-End Development)

Department: Information Technology

Reports to: Head of Information Technology

Purpose of role: Part of a total IT team of ten staff, that look after an IT environment that supports over 1500 users, accessing over 50 servers the purpose of the Data Integration Specialist is: to determine and implement database and IT development priorities, strategies, and initiatives. To be accountable for the development, upkeep and maintenance of the colleges datasets, databases (MS SQL) and bespoke applications. To develop and support the integration of different datasets between systems. To ensure the security of internally developed applications and databases is continually reviewed and improved.

Key accountabilities:

- Own the data development lifecycle, including specifying technical design, development of new applications, testing, and deployment, ensuring that solutions are sustainable, scalable, secure, and maintainable.
- Examine and identify database structural necessities by evaluating departmental operations, applications, and programming. Design and implement effective database solutions and models to store company data. Develop front-end applications to display, organize, and manipulate data.
- Assess database implementation procedures and address risks to ensure they comply with relevant regulations including IT security and data privacy.
- Provide operational support for management information systems and internally developed web applications.
- Configure and maintain third-party APIs for SQL feeds, ensuring data accuracy, timeliness, and compliance with service-level agreements (SLAs).
- Monitor the performance of systems by performing regular tests, troubleshooting, and integrating new features.
- Recommend appropriate tools and solutions to improve new and existing database systems and oversee the migration of data from legacy systems to new solutions.
- Collaborate with other IT team members and stakeholders to ensure data services are accessible, available, and secure. Particularly for internally developed web applications and their environment configuration.
- Create technical, user support and end user documentation. Educate other IT team members on supporting internally developed applications.
- Ensures quality and consistency throughout the architecture and implementation of the code base.

The College reserves the right to make reasonable changes to the duties and requirements in the job description, which may be necessary to meet the changing needs of the role or to reflect the latest technology or best practice.

PERSON SPECIFICATION

Criteria	Description
Experience	<ul style="list-style-type: none"> • Proven experience in developing sustainable and scalable data solutions. • Experience with planning and delivering IT development projects. • Proven experience with configuring and managing in-house and third-party APIs and SQL feeds. • Proven experience managing and configuring business critical data in an MS SQL database. • An understanding of the full software development lifecycle • Experience with using .Net to develop web applications. • Working knowledge of data security and privacy regulations such as GDPR • Experience in development programming ethics – code commenting and documentation. • Experience of administering web applications and their environments hosted on Windows Servers. • Experience of administering web applications and their environments hosted on Linux Servers (desirable).
Skills	<ul style="list-style-type: none"> • Strong analytical thinking abilities, capable of identifying, analysing, and solving complex problems in a systematic and logical manner. • Able to effectively collaborate with other teams, contribute to technical discussions, and assist in troubleshooting and problem-solving related to development projects. • Excellent organisational ability, self-discipline, and the capacity to adjust priorities to manage competing workloads. • Should possess a deep understanding and practical knowledge of IT development concepts. • Proficiency in database server and database technologies: MS SQL, MySQL • MS SQL: Able to design databases, security, custom schemas, server roles, user roles, user-defined types. • Proficiency in data integration tools and methods including API's, stored procedures, queries, and functions. • Proficiency in programming languages and environments: HTML, CSS (Vanilla) .Net, C#, Microsoft Power Platform, JavaScript (Vanilla), PHP, Bootstrap, MVC, • Familiarity with version control systems such as AzureDev Ops or GIT.
Qualifications	Relevant experience in a similar role OR a University Degree in computer science, information technology or a related field.
Additional requirements	Flexible, with a positive attitude and a willingness to learn new skills. May be required to respond to emergency situations out of office hours (infrequent)

EMPLOYMENT DETAILS

Rate of Pay:	Up to £44,500 per annum.
Hours:	36.25 hours per week.
Probationary Period:	6 months.
Holiday:	25 working days per annum plus 8 public holidays.
Meals:	Free lunch is provided for staff whose duties cover this period when working in College.
Pension scheme:	A pension scheme, which complies with the requirements of the Occupational and Personal Pension Schemes Regulations for auto-enrolment, will be available after three month's service. All staff will become members unless they choose to opt out.
Private Health Care:	The College provides free health care currently through membership of Aviva. Membership of a dental care scheme is also available. Staff are able to join the schemes after successful completion of their probationary period, subject to certain limitations. This is a taxable benefit.
Gym:	Membership of the College gym is available for a modest fee. Inductions are compulsory.
Sports & Social Club:	The Trinity College Staff Sports and Social Club, run by a committee of staff, offer regular outings to places of interest, and organises functions including a Christmas event.
Cycle to work Scheme:	A tax-free benefit allowing you to spread the cost of a new bike, including either a pedal bike or an e-bike, and equipment for it, over 12 months, maximum limits apply after successful completion of their probationary period, subject to certain limitations.
Employee Assistance Programme:	To support staff emotional and physical wellness, we provide free access to an employee assistance scheme, available 24/7.
Childcare:	Access to a workplace nursery, subject to places being available.
Access to College:	The College is unable to provide parking on site. Access to and parking in the City Centre is becoming increasingly difficult. The City Council has provided several Park and Ride sites around the city outskirts, with regular bus services. Many members of staff cycle to work and the College may be able to provide covered cycle parking.
College Punts:	Use of College punts at a subsidised rate.