

Job Title: SQL Developer/Data Engineer

London EC3N; Permanent

Salary: £Competitive - dependent on experience

Company Watch provides risk analysis and data modelling tools to organisations around the world who rely on our ability to accurately predict their exposure to financial risk. Our H-Score® predicted 92% of quoted company insolvencies around the world over the last 4 years and our TextScore accuracy rate was 93%.

Our scores are trusted by banks, corporates, investment houses and public sector bodies because, unlike other Credit Reference Agencies, we are transparent and flexible in our approach. We enable our clients to drill-down to the factors driving our analysis and provide the tools to stress-test our scores. This results in our clients being able to take evidence-based decisions and justify these to key stakeholders within their organisations.

Position Description

As a small but expanding company we are looking to build out our data architecture to cope with the additional requirements of data science and other business stakeholders. This involves the development and rollout of a new cloud native (GCP based) data architecture and ecosystem to drive the future direction of the business - including new product and capability development. As a SQL engineer in the data team, you will:

- Gather and Analyse Requirements
- Model data at conceptual, logical and physical levels
- Develop ETL routines to ingest, transform and store data.
- Deploy data scoring routines and make data available to customers through API's and Web based portals
- Manage the steady-state operation of the data ecosystem ensuring it meets required service levels, is cost efficient, and well maintained (including provision of documentation).

The ideal candidate will bring the required technical capabilities, be able to learn and work independently, collaborate and communicate well with coworkers and share their passion to advance Company Watch's mission to provide outstanding analytics to our customers. In return Company Watch will provide an excellent working environment within a small but highly effective team where leading edge data analytics is at the heart of what we do, presenting a real opportunity for personal and professional growth.

Key Responsibilities

- Take the lead on Data Modelling (at Conceptual, Logical and Physical Levels)
- Build, Track and Maintain the flow of data within ETL (extract, transform, load) and analysis pipelines, ensuring successful processing and data validity
- Work with data scientists to identify optimal ways to prepare, store and navigate their datasets
- Work with the software and information technology teams to specify, design, and implement the infrastructure for storing, searching and integrating new datasets.
- Management of the data ecosystem, ensuring it meets required business service levels is well maintained and cost effective.

Experience

Essential

- Competent in the SQL language- 2-3 years experience.
- Experienced data modeller.

- Experience of supporting data pipelines
- Experience of data quality assessment and validation
- Experience using version control - Git

Preferred

- Proficient programming skills in a scripting language - preferably Python.
- Experience writing SQL code in DBT.
- Implementation of data pipeline experience - Apache Airflow
- BigQuery, MS SQL Server or Postgres familiarity

Nice to have

- Cloud Experience with AWS/GCP (preferably GCP - object storage using lambdas etc..)
- Deployment / use of GCP Components including: DataFlow, PubSub, BigQuery, Cloud Composer, StackDriver and Data Catalog.
- Experience with graph databases – Neo4J.
- Working in an Agile Development environment.

Personality

- Excellent communication (written and verbal)
- Works well independently and as part of a team
- Self-motivated
- Detail-oriented with strong organizational and analytical skills
- Strong problem solver
- Keen learner

Application Process

Company Watch's standard application process is as follows:

Interested candidates should send their CV and brief covering letter explaining why they think they would be suited to the role to careers@companywatch.net

Due to the number of applications expected for this role we may not be able to reply to all applicants individually.

Shortlisted candidates will be offered an initial video interview. Candidates who successfully complete this stage will then be asked to complete a takeaway test, followed by a 2-hour technical interview (via Zoom or similar). The final stage will be a video interview with the rest of the project team.

Candidates who progress to the subject test stage will be required to complete a psychometric questionnaire.

The successful candidate will be offered the role subject to satisfactory references (in line with our Information Security policy, we require 5 years' known history without any unexplained breaks of more than 28 days).

We also require candidates to provide a Basic Check DBS certificate (Company Watch will reimburse the statutory charge for obtaining this) – our Information Security policy prevents us from employing anyone with an unspent conviction for fraud, dishonesty or similar. See <https://www.gov.uk/request-copy-criminal-record> for more information.

We are committed to equality and diversity in our workplace. Company Watch provides equal employment opportunities to all employees and applicants without regard to an individual's protected status, including

race, ethnic origin, colour, nationality, national origin, ancestry, sex/gender, gender identity/expression, gender reassignment, sexual orientation, marriage/civil partnership, pregnancy/maternity, religion or belief, creed, age, disability, genetic information, or any other protected status or characteristic.