Senior Database Engineer

JOB SUMMARY

Covalent Solutions (Covalent) is seeking a mission driven, highly motivated and collaborative **Senior Database Engineer** who is truly excited about building great products to support one of our clients at the National Institutes of Health (NIH). As a **Senior Database Engineer**, you will apply your skills to design and implement databases to drive projects forward and efficiently meet project and business objectives. We are looking for a candidate who thrives in a mission-driven organization.

This opportunity is full-time with Covalent and is on-site in Rockville, Maryland.

DUTIES AND RESPONSIBILITIES include, but are not limited to:

- Work with the project manager to define success metrics and criteria.
- Ensuring the program/project meets success parameters and business objectives stated in the project plan and charter.
- Providing transparency and communication on project status and risks to project stakeholders.
- Analyze and understand pre-existing legacy database schemas so that may they may be implemented on the Microsoft Azure platform.
- Design and implement database schemas that meet and exceed the needs of legacy database schemas on the appropriate platforms based on requirements.
- Designs may include, but are not limited to:
    - o Creating and defining robust schemas
    - o Migrating data from legacy databases
    - o Automating data pipes for legacy and new data sources
    - o Load balancing

QUALIFICATIONS

Education

- Bachelor's or Master's in Information Technology, Computer Science, Computer Engineering or Electrical Engineering
- Desired certifications.
    - o Microsoft Certified: Azure Database Administrator
    - o Microsoft Certified: Azure Data Engineer Associate

Work Experience

- 8+ Experience with Agile methodology.
- 8+ years of the following
    - o DBMS and engineering roles
    - o Database design. Strong knowledge of database schema design, normalization, and indexing strategies.
    - o SQL experience. Advanced SQL skills for database design, querying, and optimization.
    - o DBMS performance tuning. Experience with database performance tuning, optimization, and troubleshooting.

- o   MS SQL Server or other DBMS.
- o   Backup and Recovery. Expertise in database backup, recovery, and disaster recovery planning.
- 4+ years of Microsoft Azure SQL Database experience
- 2+ years of Microsoft Dataverse
- 5+ years of data warehousing and ETL. Knowledge of data warehousing concepts and experience with ETL (Extract, Transform, Load) processes and tools.

COMPETENCIES

Professionalism:

- Highly-developed database management skills.
- Sharp eye for detail.
- Proven ability to manage multiple tasks concurrently and in different phases of work at the same time. Flexibility and adaptability to perform in a fast paced and dynamic environment. Context-switching does not bother you.
- Effectively collaborates and influences people at all levels in the organization through strong interpersonal and communication skills.
- Highly organized with strong time-management skills.
- Ability to manage conflict and drive resolution.
- Focused on results, proactive, service oriented
- Can focus on both high level and detail level, knowing which is appropriate for the situation.
- Ability to self-direct and manage ambiguity.
- Ability to take in a lot of disparate information and find common themes, recommend clear paths forward and iterate.
- Motivated by professional rather than personal concerns.
- Show persistence when faced with difficult problems or challenges.
- Naturally curious about things you don't understand and actively look for opportunities to grow and learn from those around you.

Communication:

- Actively participate in meetings and be willing to advocate for what you believe in. Provide thoughtful, constructive review of others' work, knowing that everyone is working towards the same objective.
- Superior written and verbal communication skills. You can always articulate the "why" behind your solutions.
- Listen to others, correctly interpret messages from others and respond appropriately.
- Ask questions to clarify, and exhibit interest in having two-way communication.
- Tailor language, tone, style and format to match the audience.
- Demonstrate openness in sharing information and keeping people informed.
- Speak intelligently about a wide variety of topics but know when to say, "I don't know."

Teamwork:

- Work collaboratively with colleagues to achieve organizational goals.
- Place team agenda before personal agenda.
- Support and act in accordance with the final group decision, even when such decisions may not entirely reflect your own position.
- Share credit for team accomplishments and accept joint responsibility for team shortcomings.

Accountability:

- Take ownership of all responsibilities and honor commitments.
- Deliver outputs for which you have responsibility within prescribed time, cost and quality standards.
- Operate in compliance with organizational regulations and rules.
- Take personal responsibility for your own shortcomings, where applicable.

If you are interested, please send your resume to jobs@covalentsolutions.com.