

MS SQL Applications DBA

P24-478

Start: Asap (January is also possible)
Location: Mainly remote
Duurtijd: long term

Job Description

We are looking for an experienced and driven **MS SQL Application DBA** to manage, optimize, and fine-tune all activities on MS SQL databases. In this role, you will work closely with the development teams to ensure that databases perform optimally in relation to the applications interacting with them. You will have extensive experience in SQL query optimization and be mindful of the impact of database performance on application behaviour. You will also be responsible for applying data retention policies and ensuring proper database auditing to maintain compliance and security standards. Furthermore you will be the key person to interact with the different Infrastructure teams including MS SQL Infra DBA team. You will liaise with them to guarantee optimal setup of the MS SQL database for all application interactions.

Key Responsibilities:

- **Database Management and Structure:** Manage MS SQL databases, including designing, implementing, and maintaining database structures, tables, indexes, and other database elements.
- **Database Performance Optimization:** Collaborate with development teams to optimize database performance in relation to the applications interacting with the database. This includes fine-tuning SQL queries and adjusting database configurations to enhance the speed and efficiency of the applications.
 - **Query Optimization:** Identify slow queries and optimize SQL statements to improve the performance of applications querying the database.
 - **Index Management:** Analyze and adjust indexing strategies to speed up the interaction between applications and the database.

- **Data Retention and Auditing:** Implement and enforce data retention policies to ensure that data is stored and archived according to regulatory requirements and organizational standards.
 - Ensure proper database auditing processes are in place to track and log database activities for security and compliance purposes.
- **Data Manipulation and Integration:** Work with large data sets, set up ETL processes, and ensure smooth data integration across systems.
- **Bridge between Development Teams:** Act as the technical liaison between the database infrastructure and the development teams. Understand the functional requirements of the applications and translate them into the appropriate database solutions and optimizations.
- **Backups and Recovery:** This responsibility is covered by the DBA Infrastructure team where you will have strong interactions with.
- **Monitoring and Reporting:** Continuously monitor database, application, and query performance. Identify issues and proactively implement solutions.
- **Security and Compliance:** Ensure secure access to the database and compliance with data security and privacy regulations. Apply best practices for data protection and ensure compliance with industry standards, including GDPR or similar regulations.

Requirements:

- **Education:** A degree in Computer Science, Software Engineering, or a related technical field.
- **Experience:** At least 5 years of experience in a similar role as a Database Engineer, Database Administrator, or in a related position with a strong focus on optimizing databases for applications.
- **Technical Skills:**
 - Deep knowledge of MS SQL Server and T-SQL.
 - Strong experience in SQL query optimization and performance tuning, with an emphasis on the relationship between the database and the applications interacting with it.
 - Expertise in indexing strategies and understanding the impact of database design on application performance.
 - Experience in recovery strategies for MS SQL databases.
 - Knowledge of ETL processes and data manipulation.

- Familiarity with data retention policies and experience enforcing retention and archival practices.
- Experience with database auditing and ensuring proper logging and tracking of database activity for compliance and security.
- Familiarity with database monitoring tools and identifying performance issues related to both the database and the applications.
- Understanding of database security and data privacy regulations.
- **Soft Skills:**
 - Strong communication skills with the ability to explain technical issues clearly to non-technical stakeholders.
 - Proactive problem-solving mindset with a focus on optimizing database performance for both the short and long term.
 - Analytical thinking and the ability to troubleshoot complex issues.
 - A team player who is focused on quality improvement and the long-term stability of both databases and applications.
- **Languages and Travel:**
 - For this position it is essential to speak fluent English.
 - Decent knowledge of French is highly recommended because of the interaction with French customer teams.
 - While you will mainly work remote, occasional travel to the customer site in Paris is required.