SQL Server 2008 R2 Parallel Data Warehouse

Overview

Microsoft SQL Server 2008 R2 Parallel Data Warehouse (previously code named project “Madison”) is a highly scalable appliance that delivers performance at low cost through a massively parallel processing (MPP).

Key Features

- Data warehouse scalability from tens to hundreds of terabytes
- Low cost of ownership through industry standard hardware
- Appliance model simplifies deployment and maintenance
- Integrates with existing SQL Server 2008 data warehouses via hub-and-spoke architecture
- Greater ROI from BI investments through integration with SQL Server 2008
- Reduced risk through use of redundant, industry standard hardware
- Balanced reference architectures deliver predictable performance
- Better agility and business alignment through hub and spoke architecture


Current Open Positions

Developer in Test - Performance
Job Category: Software Engineering: Test Development
Location: United States, CA, Aliso Viejo
Job ID: 714324
Product: SQL Server
Division: Server & Tools Business

Take your career to the next level and put your name on Microsoft’s next billion dollar business. Join us and be responsible for developing software that will ensure Microsoft delivers a state of the art Data Warehousing Massively Parallel Processing database system with world class quality. Customers only imagine a world where loading, querying and managing large data warehouses in the hundreds of terabytes in size will become a mainstream scenario...you can make this a reality.

As a Software Design Engineer doing Performance Testing in the Data Warehousing Product Unit you will be part of a growing test team responsible for ensuring that we have optimal performance for this offering. Responsibilities include working with development, program management and test team members to understand and shape the design of the product, with a focus on optimizing performance. This includes analyzing hardware performance, the MPP engine performance, and SQL Server performance, as well as recommending optimizations, and creating tests that measure and track performance.

Qualified candidates meet the following requirements:
- 4+ years experience in performance tuning or testing of SQL Server or MPP Databases
- Strong Database knowledge and experience
- Strong SQL knowledge
- Bachelor’s degree or higher in computer science or equivalent work experience
- Experience with hardware performance tuning or testing is a plus

Developer in Test – Distributed SQL, Query Optimization
Job Category: Software Engineering: Test Development
Location: United States, CA, Aliso Viejo
Job ID: 714323
Product: SQL Server
Division: Server & Tools Business

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We are looking for software developers who have a passion for quality. You will be writing code to test key database functionality, focusing on query optimization. We require strong object oriented development skills in C++ or Java and experience working with the internals of database systems.

As a Software Design Engineer in Test in the Data Warehousing Product Unit you will be part of a growing test team responsible for ensuring the highest quality for some components of this offering. Responsibilities include working with development, program management and test team members to understand and shape the design of the product, develop test plans, test cases and automation tools, report and track product defects, validate fixes and help develop new technologies to help improve the overall effectiveness and efficiency of our testing.

Qualified candidates meet the following requirements:

- 3+ years' experience in commercial software testing
- 3+ years' experience in developing automated tests and tools using C/C++/C# OR JAVA.

- Bachelor's degree or higher in computer science or equivalent or relevant work experience

- Familiar with a wide range of Windows Technologies (Windows Failover Cluster/ HPC Clustering/ Active Directory/MSI)

Developer in Test – Setup
Job Category: Software Engineering: Test
Location: United States, CA, Aliso Viejo
Job ID: 707852
Product: SQL Server
Division: Server & Tools Business

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We are looking for software developers who have a passion for quality. You will be writing code to test this MPP system and overall appliance setup. We require good development skills (C#, PowerShell)

As a Software Design Engineer in Test in the Data Warehousing Product Unit you will be part of a growing test team responsible for ensuring the highest quality release for this offering. Responsibilities include working with development, program management and test team members to understand and shape the design of the product, with a focus on enabling automation through test hooks, tools development integration with existing automation infrastructure and development of new technologies. While your focus will be on development of tools & infrastructure, you will also gain a broad knowledge of the product and become a subject-matter expert on integration points within the product and many of its dependencies.

Qualified candidates meet the following requirements:

- 5+ years' experience in commercial software testing
- 3+ years' experience in developing automated tests and tools using C/C++/C# OR JAVA.

- Bachelor's degree or higher in computer science or equivalent or relevant work experience

-Working knowledge of Storage Area Network (SAN) is a definite plus

- Working knowledge of Powershell is a plus

- Familiar with a wide range of Windows Technologies (Windows Failover Cluster/ HPC Clustering/ Active Directory/MSI)

- If you are driven by leaving a mark on the world through the products you develop, then this role is for you

Development in Test, Lead
Job Category: Software Engineering: Test Development
Location: United States, CA, Aliso Viejo
Job ID: 713382
Product: SQL Server  
Division: Server & Tools Business

The SQL Server division is building a state of the art Data Warehousing Massively Parallel Processing database system. Loading, querying and managing large data warehouses in the hundreds of terabytes in size will become a mainstream scenario. Are you interested in making this the next billion dollar business for Microsoft? We are offering a unique opportunity for an experienced, accomplished leader to step in and help build a world class test team and ensure the new data warehousing product meets the highest standards of quality.

As a Lead Software Development Engineer in Test in the Data Warehousing Product Unit you will be responsible for ensuring the highest quality release of this offering. You will lead a strong team of skilled test developers focused on building automation infrastructure and integrating with existing tools and infrastructure. You will assist in growing the team through recruiting, interviewing and making hiring decisions. Additional responsibilities include interacting with development, program management, support and other partner teams, working within other leaders in test to constantly scale and improve test efficiency and effectiveness.

Through effective test planning, scheduling, utilization of appropriate test methodologies and tools, you will successfully lead your team to success in shipping a high quality Data Warehousing story for SQL Server.

Qualified candidates meet the following requirements:
5+ years experience in software testing
Experience in leading a team of skilled developers
Experience in developing automation tools/infrastructure (C/C++/C# experience preferred)
Bachelor’s degree or higher in computer science or equivalent or relevant work experience
Experience testing server products and knowledge of database systems is a plus

If you are driven by leaving a mark on the world through the products you develop, then this role is for you!

Development in Test, Lead
Job Category: Software Engineering: Test Development
Location: United States, CA, Aliso Viejo
Job ID: 707952
Product: SQL Server  
Division: Server & Tools Business

Take your career to the next level and put your name on Microsoft’s next billion dollar business. Join us as a people manager and be responsible for a team who is developing software that will ensure Microsoft delivers a state of the art Data Warehousing Massively Parallel Processing database system with world class quality. Customers only imagine a world where loading, querying and managing large data warehouses in the hundreds of terabytes in size will become a mainstream scenario...you can make this a reality.

We are looking for strong people managers who have a passion for quality and software development. You and your team will be writing code to test this MPP system. We require solid knowledge of commercial software development in an object oriented language (preferably C#, C++ or Java), building system level components or commercial software applications. Skills in T-SQL are preferred, preference given to those who have experience with complex algorithms, data structures and query processing.

People management qualifications include experience with performance management, hiring decisions, management of high potential employees and working in a collaborative team environment. Management experience through multiple releases of commercial software preferred.

As a Lead Software Development Engineer in Test in the Data Warehousing Product Unit you will be part of a growing test team responsible for ensuring the highest quality release for this offering. Responsibilities include working with development, program management and test team members to understand the design of the product, with a focus on enabling automation through test hooks, tools development integration with existing automation infrastructure and development of new technologies. While your focus will be on development of tools & infrastructure, you will also gain a broad knowledge of the product and become a subject-matter expert on integration points within the product and many of its dependencies.

Qualified candidates meet the following requirements:
5+ years experience in software testing
Experience in leading a team of skilled developers
Bachelor’s degree or higher in computer science or equivalent or relevant work experience
Experience testing commercial server products, database systems or operating systems
Knowledge of relational database systems
Experience developing or testing distributed, MPP, HA systems is preferred.

If you are driven by leaving a mark on the world through the products you develop, then this role is for you!

Technical Program Manager II – Parallel Data Warehouse
Job Category: Software Engineering: Program Management
Location: United States, CA, Aliso Viejo
Job ID: 710148
Product: SQL Server
Division: Server & Tools Business

Do you want to build a distributed data warehouse holding up to half a petabyte of data? Do you want to design a data warehouse "appliance" that marries SQL Server to the latest hardware advancements that can be rolled into a customer data center and be immediately productive? Would you like to work with some of the best engineers in the database industry?

microsoft.com/careers
We are building a distributed database appliance containing between 10 and 50 servers. By distributing data across multiple machines, leveraging the power of each to work on queries in parallel and embedding the best possible design into the appliance, we will be able to dramatically improve query performance on enormous data volumes.

We are looking for someone who can work with multiple technologies and drive design from beginning to end. The candidate is required to provide a strong customer focus, be comfortable defining customer experiences, distilling them into requirements, and making design choices. The candidate is also required to demonstrate a history of achieving in an eclectic mix of new technologies and the ability to roll his or her sleeves and dive into the technical details. A track record of driving feature teams and partner teams through all stages of a product development cycle is essential. The candidate will have proven experience shipping substantial software projects and be experienced in driving highly technical projects. The candidate should have deep knowledge of data warehousing applications. The ideal candidate has a deep understanding of:

- The technologies and deployment topologies used to host data warehousing, e.g. clustering, SANs, networking and hardware
- Lifecycle management of the application, e.g. moving the application through development, testing and production
- Managing data warehousing applications in a production environment

Qualified candidates will have most or all of these:

- At least 3 years program management experience in commercial systems software development
- Proven track record in developing and shipping software
- Experience developing or shipping DBMS
- Outstanding technical, leadership, written and verbal communication, and team collaboration skills
- Proven passion for customers and quality
- BS/MS degree in Computer Science or related technical discipline (preferred)

This is a great time to join the SQL Server Parallel Data Warehouse Product Unit and contribute to what will become a multi-billion dollar business for Microsoft. If you have the passion, desire, and drive to innovate technology and solutions to satisfy customers and partners around the world, then this team is for you.