



Title: Database Developer
Location: Petaluma, CA
Reports to: Manager of Software Development

Overview

HydroPoint Data Systems, Inc. is seeking a full-time Database Developer to help our customers (and the planet) use water as efficiently as possible.

The Database Developer will play a key role defining and implementing a robust software architecture combining IoT and analytics. As part of a small, passionate team, your work here will be noticed, appreciated, tested, and deployed. The Database Developer must have initiative, drive, and a strong work ethic.

The position balances a fast-paced work environment with doing things meticulously and properly; working independently within highly collaborative integrated teams; creating new code with ensuring it doesn't break the previous version. The perfect candidate should love solving complex technical problems across all levels of software architecture, development, and debugging.

Our Tech Stack

- .NET Framework, Windows, IIS
- C#, ASP.NET MVC, Web API, MSMQ, WCF
- JavaScript, jQuery, Angular, HTML, CSS
- SQL Server

Key Responsibilities

- Design, develop, and maintain both new and existing SQL databases, including tables, views, stored procedures, user functions, and other scripts.
- Create and maintain reports, in addition to being able to generate ad hoc reports.
- Ensure data accuracy for reporting and analytics.
- Troubleshoot and solve production issues.
- Work with management to create and adhere to schedules, while maintaining flexibility to adapt to shifting market demands.
- Write and maintain documentation for new and existing features.
- Keep up-to-date on best practices and new technologies.
- Rapid prototyping, and presenting conceptual design and working prototypes to management.
- Conduct design and code reviews and collaborate to ensure your own code passes review.
- Work with Product Management to analyze requirements.
- Collaborate on technical architecture and design.
- Version control with Perforce.



Required Skills & Experience

- Ability to design, implement, and maintain scalable, performant databases, including creating and maintaining stored procedures, user functions, tables, and views.
- Experience solving performance issues with large data tables using techniques like horizontal partitioning and sharding.
- Familiarity with database replication and data redundancy solutions.
- Ability to work well with a team and collaborate on solving complex technical problems and finding the best approach to implementing data-driven features.
- Strong working knowledge of SQL and Microsoft SQL Server.
- Experience with indexes (clustered, unique, composite, etc.).
- Excellent verbal and written communication skills including documentation.

Desired Skills & Experience

- Familiarity with AWS database technologies.
- Experience with NOSQL databases like Cassandra, DynamoDB, etc.

Background

- Bachelor's degree in Computer Science, Management Information Systems, or a related four-year degree strongly desired.

About HydroPoint

HydroPoint is the leader in smart water management solutions, helping companies to maximize water savings, reduce operating costs, minimize business risks, and achieve sustainability goals. An EPA WaterSense® Partner of the Year, the company combines the latest in IoT technology, data analytics, and automation to optimize irrigation, flow management, and leak detection across an entire site. HydroPoint solutions deliver visibility and control for a broad range of commercial, government, education, and community applications. Located in the San Francisco North Bay, HydroPoint has been helping the world save, and not waste, water for more than 15 years. Our mission is to make the best and most efficient use of our world's most important resource.

HydroPoint provides a competitive compensation package including salary, incentive stock options, 401(k) retirement plan, paid time off and holidays, and comprehensive health benefits.