



Title: Full-stack Applications Developer
Location: Petaluma, CA
Reports to: Manager of Software Development

Overview

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

The Application 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 Applications 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 code, ranging from client-side development using JavaScript, HTML, and CSS, to server-side code using C# and ASP.NET MVC, Web API, Windows services, and ADO.NET for data persistence and retrieval.
- Write readable, extensible, testable code, while being mindful of performance requirements.
- Create, maintain, and run unit tests for both new and existing code, with a goal of delivering defect-free and well-tested code to QA.
- Work with management to create and adhere to schedules, while maintaining flexibility to adapt to shifting market demands.
- Translate mockups and wireframes into functioning front-end code.
- 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

General

- Solid understanding of OOP design principles
- Visual Studio 2017, SQL Server 2016
- Remote debugging
- Unit Testing

Front-end

- C#, ASP.NET MVC, Web API
- JavaScript, jQuery, AJAX
- HTML5, CSS3, Responsive Design
- Understanding of web technology stack, including HTTP, REST, cookies, caching, and asset loading

Back-end

- Windows & web services, WCF, MSMQ
- C# and .NET Framework
- Experience with scalable, performant design and architecture

Database

- Working knowledge of SQL and relational databases
- Should be able to read and write basic SQL queries, stored procedures, views, and functions
- ADO.NET & LINQ to SQL

Desired Skills & Experience

General

- Familiarity with AWS
- Installation and deployment (WiX)
- Experience with automated builds and deployment (TeamCity, Docker)

Front-end

- Telerik & Kendo UI
- Experience with Logi Analytics
- Experience with .NET Web Forms and migrating to MVC

Back-end

- AWS Lambda, ElastiCache
- Experience with NOSQL databases

Background

- Minimum of a Bachelor's or Master's degree in Computer Science, or a related four-year degree.



- Good verbal and written communication skills.

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.