QUESTER TANGENT
Passenger Rail Experts

Job Description

.NET FULL STACK DEVELOPER

ABOUT US:

Quester Tangent has had the privilege of being at the forefront of the train technology industry for over 30 years. Based on Canada's beautiful Pacific Coast, our talented team takes pride in helping to make smarter and more connected trains through every stage of the lifecycle - from design to ongoing support. Our leading-edge solutions help enhance public transit systems across North America, making travel safer, more efficient, and comfortable for everyone.

When you join Quester Tangent you will be joining a closely-knit team that is passionate about the work we do and the positive impact it has on transit systems. Working on large, multi-year projects allows you to see the long-term difference you are making. If you would love to contribute to meaningful change in the world's transit networks, Quester Tangent would love for you to join our team.

THE ROLE:

The .NET Full Stack Developer is directly involved in the execution of Quester Tangent Corporation's (the 'Company's') server-based FleetWise Software Products with a focus on the design, implementation and test aspects of the Software Development Lifecycle. The incumbent's expertise will be used to implement the Company's Enterprise Class Solution that is deployed directly into Transit Authority networks. Knowledge of Microsoft's .NET frameworks (8 and newer) is required and will be used to implement new features in a multi-service architecture using C# first Blazor for the user interface. Participation in the design and cost estimation of features as well as working to identify root-cause and correct system level defects are key components of this role.

COMPENSATION:

The salary range for this role is $85,000 to $100,000 per year, though actual compensation may vary based on factors such as experience and qualifications.

KEY RESPONSIBILITIES:

- Design, develop, test, and maintain Fleetwise software applications using C#, .NET, Blazor, and Entity Framework Core.
- Participate in feature design, requirements review, and effort estimation for product and project deliverables.
- Develop and maintain REST APIs, backend services, and application components.
- Develop and optimize SQL Server queries, stored procedures, and database functionality.
- Work with developers across product teams to ensure data compatibility and integration between systems.
- Investigate and troubleshoot application, database, and system-level issues to identify root causes.
- Develop and execute unit, integration, and functional tests to verify software functionality.
- Participate in code reviews, defect resolution, and regression testing.
- Prepare and maintain software design and test documentation in accordance with company standards.

- Support software builds, deployments, and troubleshooting in development, test, and customer environments.
- Support ongoing product maintenance, framework upgrades, performance improvements, and security updates.
- Work with the Fleetwise team and other stakeholders to support software releases and delivery of project commitments.

QUALIFICATIONS, SKILLS AND ABILITIES:

- A Diploma or Degree in Software or Computer Engineering, Computer Science, or a related field is required.
- Minimum 7+ years of software development experience.
- Experience developing in the .NET ecosystem using a Microsoft SQL Server and a strong focus on efficient protocol implementation and debugging.
- Strong understanding of application design fundamentals, including object-oriented programming (OOP) and SOLID principles.
- Intermediate level expertise with Blazor .NET and EFCORE.
- Familiarity with REST APIs, web services, and application integration.
- Knowledge of design for test methodologies, including white and black box testing.
- Familiarity with software version control systems such as SVN, Git, Perforce.
- Experience delivering a customized product to multiple clients.
- Experience with coding and debugging is essential, C# and JavaScript.
- Familiarity with Identity Management and implementation best practices.
- Experience working with Wireshark to analyse network traffic data.
- Experience developing a data-driven application for varying stakeholders.
- Familiarity with UML Diagrams, specifically Class, Sequence, Activity and Communication diagrams.
- Strong organizational skills.
- Excellent communication skills, both verbal and written.
- Natural sense of curiosity and ability to problem solve and seek out solutions.
- Ability to interact and work effectively within and across departments.
- Strong analytical, organizational, and problem-solving skills.

OTHER REQUIREMENTS:

- Ability to work in-office.
- Ability to travel domestically and internationally (up to 5%) primarily within Canada and the United States.
- Valid passport and authorization (visa) required to travel to customer locations.
- Security clearance may be required, depending on project assignments and client requirements.

WHY JOIN QUESTER TANGENT?

- **Expertise and Innovation:** At Quester Tangent, your ideas shape our future. Our creative community tackles challenges together, celebrating each step forward.
- **Impactful Work:** As a passionate team, we're devoted to improving public transit and making a real difference in communities worldwide.

- **Growth and Development:** We invest in your development through mentorship and opportunities, helping you build expertise and advance your career.
- **Work-Life Balance:** We value your time outside of work and encourage you to disconnect and recharge after hours.
- **Inclusive Culture:** Your unique perspective makes us better. Here, differences are celebrated, and every voice shapes our success.
- **Perks and Benefits:** From quarterly "me days" to engaging company events, our strong compensation package supports your well-being.

Quester Tangent Corporation is an equal opportunity employer and encourages applicants from diverse backgrounds, including women, Indigenous peoples, persons with disabilities, and members of visible minorities. We are committed to providing accommodation throughout all stages of the recruitment process in accordance with the British Columbia Employment Standards Act (ESA). If you require accommodation during the hiring process, please inform the Human Resources representative. All information regarding accommodation requests will be handled with the utmost confidentiality.