

Job Title:

Senior Software 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.

Your Role:

As a Senior Software Developer you will be directly involved in the execution of Quester Tangent's on-train application-level software with a focus on the design, implementation and test aspects of the Software Development Lifecycle. You will contribute to our event-based architecture using a solid understanding of C++ to implement against a Linux OS running on ARM. Your expertise will be used to mentor and guide more junior developers to improve software process and quality. You will collaborate with other groups in Engineering for scope clarification, software delivery, and field support. Participation in the design and cost estimation of features as well as working to identify root-cause and correct system level defects will draw on your technical expertise and experience.

What You'll Do:

- Participate in feature design and cost estimation activities for both internal product and external project deliverables.
- Work with Software Engineering leadership to organize and collaborate with a team of developers and testers to deliver software releases on schedule; while maintaining scope, budget and quality.
- Implement C++ code to run on our custom Linux OS, based on Ubuntu.
- Design, debug and test network protocols used for communication with our own and other equipment.
- Work with the Software Engineering Manager to level-load team resources in support of short and long-term planning.
- Support preparation of requirements, design, and test documentation according to IEEE 1558 software standards.
- Report on development progress, including budget consumed.
- Review and approve Change Notices, supporting the corporate ERP activities.

What You'll Need to Succeed:

- A Diploma or Degree in Software or Computer Engineering, Computer Science, or a related field is required.
- Experience with load levelling a cross-functional team to meet multiple concurrent development activities of varying scope and size.
- Experience with coding and debugging is essential, C++11 and JavaScript.
- Familiarity with software version control systems such as SVN, Git, Perforce.
- A solid understanding of real-time computing in a multi-threaded environment.
- Expertise in implementing and debugging network protocols using both TCP and UDP based protocols.
- Knowledge of design for test methodologies, including white and black box testing.
- Excellent communication skills, both verbal and written.
- Strong organizational skills.
- The ability to innovate while creating maintainable and testable solutions is valued.
- Occasional travel within North America may be required; candidates must have the ability to travel as needed.

Experience that will help you thrive:

- Minimum 8 years of software development experience.
- Experience delivering a customized product to multiple clients.
- Experience developing product roadmaps.
- Experience in estimation and load levelling effort to support team allocations.

Why Join Quester Tangent?

- **Expertise & 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 & 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 & Benefits:** From quarterly "me days" to engaging company events, our strong compensation package supports your well-being.

How to Apply:

Send your resume and optional cover letter that captures your fit for the role to [TallSky Consulting](#).

Application Deadline:

Open until filled.

Work Arrangement:

Hybrid

Job Type:

Permanent Full-time

Schedule:

Standard Working Hours (Monday to Friday, 40 hours per week)

Salary Range:

\$95,000 - \$120,000 per year, commensurate with related experience, education, and skills.

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.