

Job Title: Junior Developer / Quality Assurance Engineer
Position: Full Time



Based in Toronto, Fortran Traffic Systems Limited is a leader in the North American traffic industry and at the forefront of innovation in Intelligent Transportation Systems (ITS) and Connected and Automated Vehicles (CAV) support systems.

With the arrival of transportation technologies such as CAV and Vehicle-to-Everything (V2X) communication, Fortran is developing advanced solutions to harness the multitude of benefits that these emerging technologies can provide to road operators and traffic management agencies.

Fortran offers a challenging environment, rich in R&D, that fosters creativity and rewards excellence.

The Role

The Junior Developer / QA Engineer will be entrusted to both test and assist with the development of cutting-edge software solutions for the next-generation of ITS designed and produced by Fortran.

The successful candidate will be an integral part of a team developing and testing high performance and sustainable V2X and ITS systems.

What You'll Do

Be great: Build a great product, provide a great service and be a great team player
Continuously innovate: Search for a better solution. Then top it!

As a Developer you will:

- Utilize quality focused state-of-the-art software development practices to develop full stack software solutions
- Perform detailed analysis, design, unit-level code development, software integration and testing
- Analyze complex functions, procedures and problems to deliver creative and effective solutions
- Participate in design and code reviews
- Preparation of application operational / procedural documentation for users and technical support staff

As a QA you will:

- Develop and document software efficient test plans
- Execute test plans manually or automated and track software defects/bugs
- Work with the software development team to resolve bugs
- Test automation implementation
- Accurate creation/revision of software release instructions, software update instructions, test reports and related technical documentation.
- Install software and hardware in preparation for testing





What You'll Need To Succeed

- Bachelors in Computer Science or related technical field
- Experience in software QA
- Experience defining & developing test scripts (Perl, Python or other) for automated test scripts
- Web-based front-end application framework and web-based UI programming such as but not limited to HTML, CSS, JavaScript/jQuery and NodeJS
- SQL and NoSQL experience including (PostgresDB/PostGIS and MongoDB)
- One or more back-end programming languages such as C++ and Python
- Linux (or Unix) environment Operating systems principles and communication protocols
- Team player with excellent interpersonal and communication skills
- Organized, focused and persistent with the ability to work to the plan and meet delivery dates
- Excellent problem solver and quick learner

Nice To Have

- Experience in Machine Learning, Data Mining or Machine Intelligence (Artificial Intelligence)
- Real-time software development experience
- Mobile app development (Android or iOS)

What We Offer

- Technically Challenging Projects
- Competitive Salary
- Work Remotely (Flexible Work Location)
- Casual Dress Code and Workplace
- Great and Friendly Environment
- Flexible Hours
- Half Day Fridays

FULL TRAINING WILL BE PROVIDED

TO APPLY:

Please forward your resume to resumes@fortrantraffic.com and note " **Junior Developer / Quality Assurance Engineer**" on the subject header, showing how you meet the qualifications listed above in one document. No cover letter required.

We thank all applicants for their interest but only those selected for an interview will be contacted.

