

Junior Full Stack Developer

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 management systems and Connected and Automated Vehicles (CAV) support systems.

With the arrival of transportation technologies such as Connected Automated Vehicle (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 Full Stack Developer will be entrusted to develop cutting-edge software solutions for the next-generation of Intelligent Transportation Systems (ITS) designed and produced by Fortran.

The successful candidate will be an integral part of a team developing 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!
- 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

What You'll Need To Succeed

- Web-based front-end application framework and web-based UI programming
- Understanding of web development languages and technologies such as HTML, CSS, JavaScript/jQuery and NodeJS

- SQL and NoSQL experience including (PostgresDB/PostGIS and MongoDB)
- C++ back-end programming
- 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

- Masters or PhD in Computer Science, related technical field or equivalent practical experience.
- Experience in Machine Learning, Data Mining or Machine Intelligence (Artificial Intelligence)
- Real-time software development experience
- Native mobile app development (Android or iOS)

What We Offer

- Technically Challenging Projects
- Competitive Salary
- Casual Dress Code and Workplace
- Flexible Hours
- Half Day Fridays