

Job title:	Full Stack Software Developer
Department:	Product Development
Location:	Calgary, Canada
Supervisor:	Engineering Director

Job Description

About Network Innovations:

Network Innovations is a leading provider of Satellite & Communications services including VSAT networks, Mobile broadband, Push-to-Talk and Sat-phone solutions. NI serves clients across the globe in the Government, Media, Energy, Maritime, and Aero markets. With headquarters in Calgary, Canada, we have regional offices across North America, Europe, and Asia Pacific, and we work with over 200 partners operating globally.

Job purpose:

This role is responsible for designing, developing, and testing web applications (front and back end) that are available 24/7 with a focus on Industrial IoT. Active participation in defining the services architecture and interfaces is expected, and you will have the opportunity to work with product management and customers to shape our products. These web applications will aid our customers and service partners to easily use, deploy, and manage network services provided by NI.

Duties and responsibilities:

- Design, prototype, implement, test, and document full stack (front and back end) web applications, and RESTful APIs.
- Design for usability with responsive web user interfaces.
- Build quick prototypes / demonstrations to help validate technologies and to provide sales demos.
- Design for scalability and reliability (24/7 operations – minimal maintenance down time) with continuous integration.
- Provide mentorship and code review for junior developers.
- Work with DevOps to deploy and maintain system components into QA and Production environments, and to create tools to quantify performance and reliability.
- Assist QA in developing automated tests.
- Incorporate security into web services, APIs, and user interfaces.
- Work with Product Management (and Sales Engineers) to define the product requirements and ensure customer needs are being met.
- Estimate timelines and provide risk assessments for planning and tracking work. Provide feedback for continuous improvement of processes.
- Provide Tier-3 support to customers and work with Technical Support to improve their knowledge and tools for troubleshooting.

Qualifications:

Required Experience & Skills

- Degree in Computer Science, Software Engineering or equivalent discipline.
- 8+ years of full stack application development for always on web applications with global user base, large traffic volume, and multi-national operations.
- Proficient in responsive user interface development in HTML5, CSS, Typescript using Angular or React frameworks.
- Familiar with Node.js environment.
- Proficient with SQL (PostgreSQL, MySQL), able to design/modify relational schemas, adapt Stored Procedures and write DML statements.
- Familiar with developing in and deploying to Cloud Infrastructure (AWS, Microsoft Azure), Serverless functions.

Nice to have

- 8+ years with micro services architecture in a continuous integration environment.
- Experience working in an Agile methodology using JIRA.
- Implemented Single Sign On and OAUTH mechanisms.
- Familiar with IoT transport and network protocols (MQTT, TCP/IP, LoRaWAN, LTE-M) with accompanying security.
- Familiar with network management concepts: SNMP, Equipment and Link monitoring, Logical Network Mapping, Geolocation.
- Have worked with teams in different time zones.

Mindset

- Customer focus.
- Complex problem solving: Systems-level approach to hardware.
- Creative, collaborative, and open-minded.
- Strong communicator.
- Passion and pride in your work.
- Ability to work independently.

Working conditions:

This is a full-time position in a professional office environment with flexible work hours. Occasional after-hours work will be necessary to provide tier-3 technical customer support or for a meeting with an overseas team member. Occasional travel is expected (including internationally) for projects or conferences.

Disclaimer Statement: This job description lists the essential functions of the position and is not intended to include every job duty and responsibility specific to a position. An employee may be required to perform other related duties not listed above provided that such duties are characteristic of that classification.