

Software Engineer (C# Full Stack)

Opti, a part of [Aliaxis Next](#), is a leader in IoT cloud-based stormwater management, is seeking a full-time Software Engineer to support a fast-growing company whose products help communities adapt to changing societal and environmental circumstances. Opti offers a hybrid work environment based upon trust and transparency. Office based activities are guided by our 'office with a purpose' principle that focuses our time in-person on resolving difficult questions so that we can move independently. The Software Engineer position is open to US residents located in our Boston, MA headquarters, or anywhere in the US time zones with up to 10% travel to Boston.

Overview

At Opti, we are a passionate team of water experts and technologists driven to protect our communities, infrastructure, and the environment from the impacts of stormwater runoff. We believe the stormwater management challenges facing communities today require performance improvements, adaptive capacity, and operational transparency that digital approaches can deliver. Opti is the creator and leading provider of Continuous Monitoring and Adaptive Control (CMAC) products, which provide solutions to multiple, often competing, stormwater objectives. Since 2007, our management of releases has provided customers with economic savings, resiliency, and peace of mind.

We have an immediate need for a full stack .NET developer with experience in C# to maintain support, and implement data management operations in our software platform. As you develop an understanding of our platform, product, and data, the role will also include implementing new features. Your features will enable environmental consulting firms to manage the full lifecycle of an Opti CMAC solution. To apply, please send your resume and a cover letter to careers@optirtc.com.

Our Stack

- Technologies: Azure Storage, SQL, Redis, Service Bus Queues, Event Hubs, Key Vault, Cloud Services; ELK stack for application logs; Particle.io IoT;
- Languages: C#, C++11 (IoT only), HTML+CSS+TS/JS/C# (mostly TS today, moving towards C#).

Job Responsibilities

- Identify the root cause of reported issues.
- Resolving reported issues.
- Document issue resolutions in Asana (our ticketing system).

- Participate in code reviews (we use Github).
- Update platform data to support customers and introduce new features.
- Setup and troubleshoot customer integrations with our platform's public APIs: <https://optirtc.com/resources/apis>.

Basic Qualifications

- Minimum 1 year full-time experience with C# and Microsoft Visual Studio
- BS in Science or Engineering or focus on Computer Science.
- Excellent English writing skills.
- Ability to work effectively as part of a small, distributed software development team.

Preferred Candidate Skills

- Experience writing and maintaining automated unit tests.
- Experience with the Git source control versioning system.
- Comfort around scientific and engineering concepts such as basic statistical analysis and time-series visualization.
- Experience with geospatial data formats.
- Experience supporting stormwater operations and maintenance crews
- Experience with field sensors and serial protocols (e.g. Modbus, SDI-12) used in environmental monitoring
- Experience with IoT or SCADA devices, even in your home!
- Asana / ticketing