



Server Software Engineer

About Airbox Systems

Airbox Systems is the leading comprehensive situational awareness tool for elite professionals. Launched in 2008 with a core mission to help save lives and support those in the operational field, Airbox Systems holds interoperability at its heart. Bringing together all of the emergency response units across the country the hope is to enable these operators through a clear and comprehensive situational awareness software.

Driven by passion and great people who share our enthusiasm for trying to make the world a better place, our team includes individuals with backgrounds in military, aviation and law enforcement. Bringing first hand insight of frontline operations in the air and on the ground to enable cutting edge concepts for improving the service that we deliver.

The suite of situational awareness tools can be used across web, desktop, and mobile applications, using the latest technologies. These are designed for planning, execution and after action review, and are trusted by Law Enforcement, Military, Special Forces, Search & Rescue, Fire and Medical Emergency Services around the world.

Main Duties & Responsibilities

As the C# Software Engineer you will be working with the latest version of C# and .Net working across our web and mobile applications. You will be working to help us improve the overall experience of our products through identifying areas of the code and user experience to improve, as well as adding new features and functionality. We're looking for a Developer with a passion for building high-quality software, with strong engineering principles and a desire to work in an Agile environment.

You will be joining a collaborative team, working closely with other internal stakeholders including other Software Engineers, QA Engineers, DevOps and Product Owners. Our current tech stack includes C#, ASP.Net, .Net Core, containerisation with Docker, AWS, Microservices, JavaScript, React and Xamarin for Mobile Development. We work to SOLID principles where possible and operate in an Agile methodology. We don't expect you to have experience with every technology listed here, but if you're interested there is always an opportunity to learn (and we give all our Developers access to Pluralsight just for this reason!).

- Maintain existing and add new features to our web based GIS platform based on user feedback and demand, working from a prioritised backlog
- Collaborating with the wider development team to deliver quality software projects
- Analysing application specifications and technology approaches to ensure business requirements are met
- Writing code in C# for server and mobile applications (Xamarin, micro services, Docker containers, AWS)

Key Requirements

Essential

- Experience coding with C#, ASP.Net, Restful API
- Experience building web-applications in a microservices environment
- SQL Server
- Experience in Design Patterns
- A knowledge and experience of working to development best practices, including SOLID principles
- Extensive knowledge of object orientated programming
- Communicate comfortably with internal stakeholders and immediate team.
- Experience in using GIT source control (Branching, Pull Requests, Merge and rebase)
- Knowledge of software development life cycle and Agile practices
- Comfortable working in a green field site which iterates and changes rapidly
- Ability to work without supervision and under pressure

Desirable

- Experience building mobile applications across iOS and Android using Xamarin
- Experience with XCode / iOS development
- Experience with Android Studio
- Experience or knowledge in TDD unit testing
- Knowledge of NoSql databases (e.g. MongoDB)
- Frontend experience with HTML, CSS, JavaScript, and React (or similar framework)
- AWS
- Experience of developing secure server microservices
- 2D graphics experience
- Knowledge of GIS systems
- UI / UX

Airbox Systems is an equal opportunity employer. We are committed to building a team which represents a variety of backgrounds, perspective and skills.