Lead Technical Architect

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

The Lead Technical Architect is a brand new role within Airbox Systems as a result of the continued growth of the team and projects. You will be reporting to the Head of Engineering/Chief Architect, and you will be responsible for:

- Defining and maintaining our architectural roadmap
- Working on software integrations
- Assuring that our software is implemented accordingly
- Mentoring Tech Leads in their transition toward a more architectural role

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 and operate in an Agile methodology

Execution and initiative
- Contribute to the definition and maintenance of an ongoing architectural strategy for the business
- Contribute to the architectural roadmap that supports and underpins the product roadmap
- Work closely with technical leads and development teams to ensure deliverables match the architectural vision
- Articulate the architectural vision to the engineering team, inspiring them to adopt it
- Provide architectural oversight to the team, acting as the ultimate design authority on significant technical decisions

- Creation of architectural designs
- Ensure NFRs are built into designs

Accountabilities
- Contribute to the definition and maintenance of an ongoing architectural strategy for the business
- Contribute to the architectural roadmap that supports and underpins the product roadmap
- Working to extensible programming
- Creation of architectural designs
- Staying up to date with trends in relevant technologies
- Working with product to ensure technical requirements are captured and documented

Communication
- Work on a daily basis with Developers, QA, and Product Owners as part of a cross-functional team in a project.
- Willingly work with other team members and promote good team working
- Spend time helping others think through issues
- Capitalise on diverse skills and ideas
- Proactively share information with colleagues
- Clear communication of technical problems to both technical and non-tech individuals
- Well written documentation

Knowledge & Experience Required

Experience
- Proven experience in IT solution development
- Knowledge of a wide range of enterprise systems and packages
- In-depth experience in the full life cycle software development
- Experience in Object-Oriented design environment
- In-depth data model knowledge
- Experience in Microsoft stack
- Experience in writing technical designs
- Experience in the implementation of cloud-based systems (preferably AWS) with special consideration to web security, data management, scalability, resilience.
- Experience designing RESTful API
- Experience designing distributed systems (microservices, event-driven architecture)
- Plant UML
- C4 diagrams
- Git

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