



Silverside Detectors helps governments reduce the threat of nuclear terrorism. We're a bootstrapped, product-led startup based in Cambridge, working with federal and commercial customers to translate the best science into practical, user-oriented technology solutions.

Company Team and Culture: Silverside is a diverse team of scientists, engineers, and business experts all united around keeping our world healthy and safe. We collaborate generously, learn voraciously, execute with tenacity, build on our mistakes boldly, and go home at the end of the day—we love our work, and we keep room for the rest of life.

Position: Lead Developer

Location: 61 Mooney St. Cambridge, MA 02138

Job Description: You will be the team lead and product strategist for Silverside's software program. You will manage the people, tools, and plans for developing current and future work. Current programs include:

- Building a new platform that facilitates secure, documented, permissions-based sharing of data from smart city infrastructure into next-generation radiation detection networks.
- Maintaining and improving an integrated radiation detection system that integrates multiple sensors, algorithms, and cloud-based platforms into a turn-key system.

You will be responsible for both architecture and implementation of Silverside's software products. This is an exciting opportunity to build a talented and engaged team, work in modern technologies, and define new software processes and technology stacks to be used.

Technology Stack:

- Current:
 - Python application for high-level embedded Linux devices
 - Python/Django for Linux web server and client
 - C#/ASP.NET for third-party video management system (VMS) integration
- Future:
 - Investigating Elixir/Erlang/BEAM and C#/F#/NET Core for both embedded and backend development
 - Cloud services (Azure or AWS)
 - Front-end needs TBD but with preference toward modern development (e.g., Phoenix, Fable, Elm, Typescript, etc.)

Management:

- Create software roadmap that connects from R&D to commercial product
- Manage contract reporting for DARPA-funded work
- Mentor and motivate junior software engineers
- Participate in company-wide strategic planning for go-to-market transition

Preferences:

- Experience or interest in pragmatic functional programming languages, including C#/F#/NET and/or Elixir



- Experience with Internet of Things (IoT) projects or interacting with hardware by doing hardware and instrument control (e.g., TCP/IP, RS-232, analog/digital I/O, .NET APIs, C/C++ DLLs), data acquisition, and data processing
- Experience with building concurrent applications, actor model, messaging systems
- Experience maintaining, adapting, and expanding an existing codebase

Requirements:

- 5 years of experience, including leadership role
- Bachelor's degree in computer science, electrical engineering, mathematics, physics, or a related technical field, or a bachelor's degree with related experience
- Experience working on a multi-disciplinary team and being an effective team collaborator
- Experience with software development in at least one programming language and source-code control system (e.g., GitHub, Perforce, SVN, etc.) on a medium-sized project or larger
- Must be authorized to work in the U.S. on a full-time basis. H1-B sponsorship is not available.

Salary and Benefits: Salary is commensurate with ability and level of experience. Full benefits include health and dental insurance, 401(k) match, and generous leave/holiday packages.