



Job Title: C# Developer, Sure Petcare

Department: Engineering

Position Location: Cambridge, Cambridgeshire, United Kingdom

Requisition ID: SPC#014

Sure Petcare, the pet technology specialist, provides pet products that empower owners to care for their pets in entirely new ways. Founded in 2007, we have developed an award-winning range of microchip-operated pet doors and feeders, which solve many problems commonly experienced by pet owners. Sure Petcare, along with HomeAgain, is a Companion Animal portfolio of digital products within MSD Animal Health.

In 2017, Sure Petcare expanded its product range to include connected devices designed to provide proactive pet care by giving owners data and insight into their pets' day-to-day behaviours, activities and routines. Over time, this information will provide pet owners a greater understanding of their pet's health and well-being. Sure Petcare sells direct through retail stores and veterinary practices in 35 countries.

Through its commitment to the *Science of Healthier Animals*®, MSD Animal Health offers veterinarians, farmers, pet owners and governments one of the widest ranges of veterinary pharmaceuticals, vaccines and health management solutions and services as well as an extensive suite of digitally connected identification, traceability and monitoring products. MSD Animal Health is dedicated to preserving and improving the health, well-being and performance of animals and the people who care for them.

For more information, visit www.surepetcare.com

Job Description:

- Experienced C# Developer to work on connected product IoT infrastructure based on AWS.
- In this role you will have the opportunity to support team members, develop new software, solve technical / scalability problems, and support an existing established IoT platform through all stages of development
- The suitable candidate will likely be an experienced software developer, with a passion for the full software development lifecycle
- At the senior level, a software engineer should be able to work independently as well as part of a team.
- Specifically, the role will include the following:
 - Supporting more junior team members
 - Selecting and integrating 3rd party libraries into the platform

- Input into the firmware development process
- Fault diagnosis and technical solutions to issues across the software backend
- Continued scalability management / planning
- Supporting new product launches / functionality development
- Responsibility for DevOps as part of normal development activities
- Planning work with Scrum master
- Manual and automated test development
- Other duties, as directed

Key Competencies:

- Design and development of application server software and Web APIs for .net core. Experience with Linux container-based event-based architecture would be preferable
- Excellent problem-solving skills
- Able to explain complex technical problems to possibly non-technical stakeholders

Qualifications:

Required Experience & Skills

4 years relevant work experience including:

- C# .net (3+ years)
- NuGet (2+ years)
- Entity Framework (2+ years)
- Web APIs / ASP.net core (1+ years)
- ReSharper / Visual Studio (1+ years)
- Source Control - Git (2+ years)

Preferred Experience & Skills

- A 1st or 2:1 in Computer Science, or a related discipline. Online education platform qualifications also acceptable.
- Test frameworks (e.g. NUnit / NSubstitute)
- Previous DevOps responsibility
- Previous Test Automation responsibility (manual/automated)

- Amazon Web Services:
 - IoT Core
 - Containers at scale (ECS / Fargate / EKS / Elastic Beanstalk)
 - SQS
 - RDS
 - CDK / CloudFormation
- Agile Working (Scrum)
- Technologies:
 - StackExchange.Redis
 - MySQL / Redis
 - Docker
- Github Actions

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Job: Engineering

Travel: Yes; <5% Travel (The role is office based but could occasionally require some international travel).

Shift (if applicable): N/A

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