

Site Reliability Engineer

As part of the engineering department, you will help shape the development and delivery of a product which is an essential tool for companies worldwide. You will have the opportunity to work right through the technology stack - from creating a slick UI to performance-critical, at-scale, data processors.

To provide and maintain efficiency, security, maintainability, and scalability to the SessionCam software platform and its supporting software and services.

What You'll Do

- Become a valued member of an autonomous, cross-functional team
- Implement solutions to problems using the right, not prescribed, tool
- Peer-review code, and have your code peer-reviewed
- Write unit tests, and ensure coverage is maintained
- Contribute to the documentation of the areas your teamwork
- Use your knowledge of modern web application architecture to effectively contribute to the development of our product
- Implement data processing tools and functionality which must operate at scale
- Find ways to develop your skills and the skills of those around you
- Help to derive projects
- Collaborate with Team Leads, to make sure technical standards are maintained
- Maintenance of SessionCam components
- Monitoring the production system and response to alarms raised
- Provide input/suggestion into future enhancements

How You'll Do It

You will report to the Infrastructure Lead but day-to-day your work will be within your team, where you will have the agency and autonomy to approach challenges and solutions as you see best. We work in a largely autonomous manner, operating within the appropriate methodology (SCRUM, KanBan, Lean, MVP etc) and take ownership of relevant parts of the platform as required.

- You'll be able to effectively communicate your ideas to the team, and be willing to listen to different views
- You'll be proactive in finding better ways to do what we do
- Gain an in-depth understanding of our product and it's infrastructure
- You'll be an advocate for best practice
- You'll be happy to be wrong, and learn from mistakes

Technical Skills We Value

We have some technologies we use a lot, some a little and some not at all. We're open to new ideas, innovation and better ways of doing things while maintaining and developing our existing solutions. The team you'll be joining uses C#, Python, Ruby, JavaScript, and SQL and values an ability to learn and a passion for technology over a need for "X years experience". There are some basic requirements, however:

- You should be comfortable with C# and have experience with ASP.Net MVC and ASP.Net Identity

- You should take pride in writing clean, efficient, maintainable, testable code
- Working knowledge of scaling, defensive programming, and operational resilience
- You should be able to work with JavaScript/Python/Ruby/SQL
- In-depth knowledge of working within AWS
- Practical knowledge of secure design principles including the OWASP top 10
- Knowledge of modern patterns, architectures, processes, and best practices
- Efficiency! Automated Everything (Testing, Deployments, etc)

To be a Senior Site Reliability Engineer we expect

- Understanding the task at hand and how it fits into the wider SessionCam solution
- Provide programming and architectural guidance to both your team and the wider department
- Understand the technical and cost implications of choosing different technologies
- Be able to identify and mitigate risks associated with different technologies
- Taking ownership of problems as they arise
- Take an active involvement in increasing the productivity of other developers
- Be confident in giving presentations to the wider team or any of the Guilds

Skill	1	2	3	4	5
Development Language(s)					
.Net					
ASP.Net MVC / ASP.Net Identity					
Javascript					
Ruby					
Python					
Scala / Java					
SQL					
Front-end					
HTML/CSS					
UX					
Testing					
Manual Testing					
Test Automation					
Architecture					
Design Patterns					

Cloud Services	Light Green	Light Green	Light Green	Medium Green	White
Capacity Planning (AWS in particular)	Light Green	Light Green	Light Green	Medium Green	White
Function execution environments (AWS Lambda)	Light Green	Light Green	Light Green	Medium Green	White
Container environments	Light Green	Light Green	Medium Green	White	White
Cloud pricing and billing models	Light Green	Light Green	Medium Green	White	White
Streaming platforms	Light Green	Light Green	Medium Green	White	White
ETL platforms and pipelines	Light Green	Light Green	Medium Green	White	White
Communication	Dark Gray	Dark Gray	Dark Gray	Dark Gray	Dark Gray
Mentoring	Light Green	Light Green	Medium Green	White	White
Presenting	Light Green	Light Green	Medium Green	White	White
Documentation	Light Green	Light Green	Medium Green	Medium Green	White
Product	Dark Gray	Dark Gray	Dark Gray	Dark Gray	Dark Gray
Product Knowledge	Light Green	Light Green	Light Green	Medium Green	Medium Green
Competitor knowledge	Light Green	White	White	White	White
Security	Dark Gray	Dark Gray	Dark Gray	Dark Gray	Dark Gray
OWASP	Light Green	Light Green	Medium Green	White	White
IAM	Light Green	Light Green	Medium Green	White	White
SSO	Light Green	Light Green	Medium Green	White	White