

# Site Reliability Engineer

## Description

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At MATTR we are creating tools to support decentralised identity and verifiable data. We are on the lookout for people that are passionate about emerging technology and thrive in fast paced environments. By joining our team you will be helping to develop a whole new category of tools that support the next generation of the internet – the web of trust.

The [MATTR Platform](#) is designed for global scale. As a **Site Reliability Engineer** at MATTR you will play a pivotal role supporting and maintaining our production and development environments, working with our engineering teams to deliver cloud services that are secure, reliable, scalable and observable, helping to establish MATTR as a leader in the world of digital trust.

You will be using cutting edge technologies to build and monitor cloud infrastructures, and work with our engineering teams to ensure that our services are appropriately instrumented to enable monitoring and debugging of APIs as required. The platforms you will be working with support our production and non-production environments with an infrastructure as code first principle.

You will be working with your team members on an on-call roster to proactively support and resolve any issues arising in our production environments.

At MATTR we are building the foundations of the digital identity ecosystem, and the security, reliability and integrity of the solutions that we build are of utmost importance to our customers, and therefore to us, and our Site Reliability Engineers provide thought leadership through building exceptional deployment and monitoring tooling with our engineering teams as they build out our cutting-edge cloud services.

MATTR values diversity in the workforce and we encourage candidates from diverse backgrounds, including those with access needs, to apply for our roles.

## What you will be doing

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- Maintaining and supporting cloud infrastructures using Terraform to define our Infrastructure as Code in our AWS environments
- Collaborating with engineering teams to maintain and extend our cloud services so they remain reliable, scalable, and observable
- Implementing changes to improve the security and availability of our cloud systems
- Work with other SREs to identify shared components that can be shared across engineering teams to improve productivity; such as developer tooling, build automation, provisioning, logging, monitoring, alerting, etc
- Produce clean, consistent and well-organised code to automate infrastructure, builds, deployments and configuration running on the production stack:
  - AWS
  - Redis and SQL, cloud storage
  - Elastic Search and Prometheus

- Kubernetes, Docker
  - NodeJS
  - Terraform, Vault and Consul
- Contribute to how we manage and improve our infrastructure
- Install and configure services in our environments
- Work with the teams by running blameless post-mortems to identify and implement improvements to make our products more reliable
- Work in a “build it and run it” environment where engineering teams build, deploy, monitor and support their components that they own
- Refining how we measure service operations and support engineering teams to improve monitoring where relevant.
- Providing on-call support of our systems, responding to and resolving issues proactively and efficiently
- Working with the wider MATTR engineering team, you will be exposed to all that we do here at MATTR
- Becoming a subject matter expert in our systems and growing your skills as an SRE, all while delivering value to our customers
- You will be part of a team that contributes to our technical roadmap, helping shape our platforms and services

## What are the skills and requirements needed?

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### You will

- Have minimum 2 years of experience deploying, configuring, monitoring and supporting distributed production and non-production systems in a cloud environment and have an understanding of security, reliability, scalability and platform management topics
- Have experience in cloud networking and platforms
- Have experience with managing applications running on platforms such as Kubernetes using Linux
- Experience with Terraform, Vault, Prometheus, Docker and a range of cloud first tools
- Experienced working in teams that have production infrastructure defined in code
- Experience with CI/CD tools such as GitHub actions, helm & Flux
- Identifying manual tasks and automating them will be a passion
- Have excellent communications and written skills, and must be able to talk about technology intelligently and passionately (technical and non-technical)
- Enjoy working in open source / developer communities
- Enjoy a dynamic and agile working environment

## Personal and work ethics

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- You are a self-starter who takes initiative, is creative, has high energy, and would thrive in a very dynamic software company.

- You are a team player who is eager to share their findings and contribute to a collective understanding – someone who is super smart and committed to making a difference - but won't trip over their ego when they turn around!

### Advantageous (but not essential)

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- Awareness of Self-Sovereign-Identity, Decentralized Identifiers and the Web of Trust ecosystem
- Understanding of Oauth2, OpenID Connect and other established authentication and identity management protocols
- Being willing to get hands-on building out demo assets where necessary

Sounds like you? We would love to hear from you!