# **Lead DevOps/SRE Engineer**

BrightSign, the global market leader in digital signage media players, is seeking an experienced Lead Software Engineer to join our rapidly growing team. BrightSign is the global leader in digital media players, headquartered in Los Gatos, CA. Our media players are used worldwide, by many different vertical markets. They are very flexible devices, providing the ability to play back audio and video media in many different formats, to render HTML, and to run applications in in either Chromium or our native BrightScript. They are highly reliable; our customers depend on them to stay up 24x7. They can connect to any server to obtain data and media, interface to other hardware and devices in a variety of ways and can be synchronized together to create video walls of almost unlimited size.

Our server product provides a leading solution for the Digital Signage industry that includes distribution, playback and remote management of media content. We are in the process of evolving our monolithic server architecture to a distributed services/microservices approach, and from ASP.NET on Windows to a mixture of .NET Core and Node.js/Typescript/JavaScript, hosted mostly on Linux. Some parts of our system will move to Kubernetes. The architecture is a high-load, complex distributed system, designed for both cloud deployment and on-premise hosting. Our desktop product is an Electron App, written in Typescript. Our media players are embedded Linux with a Node.js layer for API integrations.

We are looking for an experienced senior DevOps/SRE Engineer to lead our DevOps team. You would be responsible for automated deployments of infrastructure and software, monitoring and observability, operations, and recovery.

This is an Ops position with a strong Software Development approach. This team builds software to automate and operate the rest of our platform. We are just starting to build this Ops Automation so in the early days more human operation will be required. An experienced Software Engineer with excellent automation, monitoring and “SRE” approaches would be an ideal fit for this position. Ideally this role would be in a Central or East US Time zone, but could be located in either Europe or on the US West Coast for the ideal candidate.

MAIN TASKS AND RESPONSIBILITIES:

* Build software and systems to manage our cloud infrastructure and applications
* Monitor availability in production, building that capability out as needed
* Respond to production issues, recovering the system to operation quickly
* Recommend improvements to our reliability, quality, and scalability
* Develop a formal set of “run books” for operational needs
* Automate those runbooks as much as possible
* Work closely with our automated test team to link their “canary” tests to run-books
* Proactively work to reduce “toil” through systematic automation of all tasks

## Required Skills and Qualifications

* BS Degree in CS or an engineering field, or equivalent experience
* Ability to program (structured and OO) with one or more high level languages, such as Python, Java, C/C++, Ruby, and JavaScript. We are not a java shop, so if that’s your only language this is not the role for you
* Experience with distributed storage technologies (like S3)
* Experience with Docker, CI/CD, serverless, and automated deployment
* Experience deploying and operating Kubernetes
* A proactive approach to spotting problems, areas for improvement, and performance bottlenecks
* Experience with advanced monitoring systems such as Prometheus
* Experience with Infrastructure-as-Code systems such as terraform
* Significant experience with cloud systems, preferably AWS
* 5+ years’ experience professionally writing code

## Preferred Qualifications

* 7+ years’ experience professionally writing code
* AWS Certification (Developer, SysOps, SA)
* Experience in .NET and Azure