

Senior Cloud Infrastructure and Reliability Engineer at Zoundream

Full time. Barcelona, Spain.

We are Zoundream, a dynamic, growing startup developing the world most advanced technology for infant cry analysis, using AI and sound recognition.

Our team has a strong background in machine learning and embedded systems, a mature core technology that we are continually improving upon, and an award-winning product based on it. We are now in the process of developing the next iteration of this product, which will be offered as a cloud-based service on the AWS platform.

We are looking to expand our team with a cloud engineer specialized on this platform, with a proven track record in implementing and monitoring services that can scale as needed to match highly variable levels of traffic, while maintaining at all times a high level of reliability.

We need someone who has been successful in implementing these types of systems, preferably multiple times and on a large scale, and wishes to apply this experience in a small and dynamic startup environment with lots of potential for growth.

Together with the rest of our team you will be taking our cloud-based product from a basic prototype stage all the way to a fully functioning, highly scalable and reliable service, ready for release to a global audience.

In this role you will have ample autonomy in choosing the best tools and technologies needed to achieve this goal. You will also have the opportunity to shape the growth of our cloud engineering team as we expand it further, as well as the company as a whole.

What you will do:

We need your expertise to help bring our cloud infrastructure to production-ready status on all matters pertaining to scalability and reliability. More specifically:

- Review the scalability approach of the current code base and infrastructure, and apply your knowledge and experience to improve upon it or completely redesign it if needed.
- Implement a monitoring system that allows our sysadmins to keep track of the most important metrics for the service and be alerted of anomalies before they become problems. Work with the engineering team to help identify and solve the root cause of any detected anomalies.
- Provide our business people a clear and constantly up-to-date view of operational costs and traffic patterns, so they can make informed decisions to shape future offerings and partnerships.
- Help our sysadmins in setting up a CI/CD infrastructure and establish practices that guarantee the quality of our code as well as smooth and safe deployments of updates.
- Work with the rest of the engineering team to help identify ways to reduce costs and improve performance without impacting the overall reliability.
- Constantly document your work and engage in knowledge transfer with engineers and sysadmins.
- Help writing job descriptions and participate in interviews for hiring new staff as the cloud engineering team grows under your direction.

What you will bring:

- A strong and provable track record in developing, implementing and monitoring highly scalable and reliable cloud services: you have “been there, done that” more than once, with success, and know how to build these systems and keep them running like the back of your hand.

- An honest and forward approach to the review of existing code and infrastructure: you are willing to be ruthless in pointing out inefficient or inadequate choices in the current design and implementation.
- Confidence in your experience and expertise: you don't hold back in pointing out better ways of doing things whenever an opportunity arises to do so.
- An interest and willingness to help shape the direction of the company as it grows: you are interested in joining a small interdisciplinary team of people with different backgrounds, open to change and welcoming new perspectives on how to do things better, more efficiently and more pleasantly for everyone.

Our technology stack includes applications written in python (for interacting with machine learning tasks) and nodejs (for everything else), and runs on AWS using services such as Lambda and ECS. We also employ redis, postgres and S3, along with various other AWS services..

What type of person you are:

- Proactive. Independent. Entrepreneur spirit.
Nobody will tell you day by day what to do
- Curious, always willing to learn new things.
We're a startup: we do new things every day. And for most of them, we learn from scratch. You'll need to be able to do the same, and be comfortable with that
- Structured. Able to read a project plan, and stick to agreed milestones and time
No one in the team has the time to chase other people's timelines or deliverables. You need to be able to handle your own todo list, time and resources
- Fluent in English
We are an international team, English is our day-to-day working language.

What we offer:

- Becoming a key person, in the core business of a high-tech ambitious startup
- New challenges, constantly. No single day will like the previous one
- An extremely dynamic and ambitious environment
- Opportunity to really influence what the company does, day by day. We expect everyone to challenge and shape – all together – what we do
- We'll develop together products and technologies that people wouldn't believe can be possible.
That's what we do here.
- Full time employment, permanent role, competitive package (salary + stock options)