

# DSP and ML Engineer

RedLore is on a mission to eliminate the \$225B in global annual losses from Supply Chain inefficiencies. We build disruptive technology solutions to revolutionize the world of logistics and Supply Chains. In today's globalized world, the pandemic is proving once again how essential it is to move physical goods in-time, in-full and without quality degradation. Unleashing technology to make that happen is what RedLore is all about.

Our solutions help the world's largest high-value goods manufacturers and logistics providers in industries like automotive, healthcare, and perishable goods to gain real-time visibility of their goods while they move along the Supply Chain. This can be a healthcare company moving vaccines under very specific conditions, a high-tech company suffering from in-transit theft, or an automotive manufacturer frustrated with parts arriving damaged for assembly.

If you are results-driven, ambitious, and passionate about shaping technology, we would love to hear from you!

The creative minds at RedLore bring technology solutions to life from idea to mass-production. Our solutions range from a tiny wireless sensor with on-board machine learning, to cellular gateways, to cloud analytics and powerful dashboards.

## Your responsibilities include

- Designing architectures for low power mobile IoT devices.
- Developing strategies to improve the edge intelligence of our devices.
- Developing ideas and algorithms that enable our device to react in a smart way.
- Optimizing solutions to work on low power and low resource IoT devices.

## What we offer

- A thrilling and fast-paced working environment, where new ideas are brought to life on a weekly basis and where your work has a direct impact on the success of the company.
- A working environment where your colleagues are as enthusiastic and competent as you are, far away from corporate politics and the inertia of slow decision making.
- A growth environment where your role can evolve over time to meet your ambitions while intersecting with the needs of the company

- An attractive compensation schedule where your personal success is directly related to the company's success.

## Required qualifications

- You have a minimum of five years experience in developing firmware on DSPs and Microcontrollers. Experience in the NRF52 based development is strong plus.
- You have experience working on DSP and ML Algorithms.
- You have experience working with GCC and the make build system.
- Experience with IoT low power sensors such as accelerometers, microphones, etc.
- Work with ARM CMSIS-DSP library.
- Experience applying Machine Learning techniques on low resource, low power hardware.
- You have contributed to at least 3 IoT solutions in the past.
- You are highly intelligent and have a strong analytical mindset.
- You have a strong grasp of English in reading, writing, and speaking.
- You are not held back by a dogmatic approach.
- You pride yourself on being 3x more efficient than the average engineer.
- You are thrilled by the idea of creating technologies that the world has not seen before.
- You are not afraid to work hard to reach your goals.

## Other valuable qualifications (but not a deal breaker)

- You hold an Engineering Degree.
- You have experience with IoT Cloud Technologies such AWS and Microsoft Azure.

## Inclusion at RedLore

We fully embrace diversity at RedLore because we know it makes our company stronger, regardless of gender, sexual orientation, race, religion, political affiliation, age, and disabilities. If you are an intelligent, creative, and results-driven individual, that is the only thing that matters.

*If your skillset and experience is close to the above but not quite 100%, we would still like to hear from you. We acknowledge that given the right mindset you can grow in the job. Just blow us away with your attitude and personality!*