

Job Title: Backend Software Developer
Reports to: Doug Boit, Head of Research and Development
Location: Monaco
Type: Full time

The Company:

MARSS develops innovative marine and land-based systems for asset protection and life-saving. Our technology leadership is founded on over 10 years of research and development collaboration with the European Union, defense agencies, NATO, academia and industry.

We offer a fast-paced, dynamic environment that provides for a challenging career and the ability to achieve professional growth. We are committed to creating an environment and culture that encourages creativity, continuous learning, and individual responsibility to solve problems and add value to the organization.

As a member of our team you will have the opportunity to contribute significantly to your career and the success of the company. We believe the working environment in our Monaco Office provides a unique mix of the flexibility and entrepreneurial spirit found in small start-up companies supported by the safety and professional growth opportunities that comes with over 10 years of successful operations and a solid order book to secure the future.

The Position:

We are looking for a quietly confident back-end developer to join our team. We value intelligence and attitude over knowledge of specific technologies. But, as we are looking for a senior developer (at least 3 years of experience), we would expect your background to be aligned with the main qualifications below.

Qualification

- Python 2 and 3
- Asynchronous programming (asyncio)
- Sockets/Networking
- Serial Interfaces
- GIT or similar distributed version control software,
- Comfortable in Linux environments

Bonus Points for

- Rust
- C/C++
- Video Processing (GStreamer / Janus / WebRTC)
- Mobile development (iOS, Android, cross platform)
- System Security, Cryptography
- Electronics and embedded systems
- Machine Learning
- DevOps tools such as Ansible, Packer
- Bring your own technologies!
- Personal projects and passions

Education

You will be educated to at least bachelors degree level in a science or engineering discipline. Masters or doctorate advantageous.

Integration and interfacing

Our core activity is maritime safety and security applications. We're bringing the latest web technologies to real-world hardware i.e. we don't just work in the cloud. We interface with very diverse equipment: radar, sonar, thermal imaging, software-defined radios and more. Our UI runs on touchscreen displays, tablets, phones, smart-glasses...

Challenges

If you are looking for an easy job, this isn't it. We operate in mission critical environments. Our systems can operate at sea and high security areas with limited connectivity to the data center. So, all your assumptions about cloud development techniques and operating environments will be constantly challenged. Timelines are strict, and creativity is often required to solve unexpected technical issues. It can be extremely diverse, interesting and rewarding if you are up to the challenge.

Back-end, Front-end, DevOps

The position is predominantly for back-end development, but our work involves user interface, back-end server processing, as well as the tools for testing, configuring and deploying our solutions. Very few developers are gifted with the ability to excel equally in all, but good developers will have an appreciation of "the other side" - an essential in designing the best architectures and APIs. And you will be given the chance to focus on the aspects you like the most!

The Work Environment

- **Development on Macs and Ubuntu:** We're pragmatic so realize we also have to work with Windows occasionally
- **Prestigious location:** Overlooking the Monaco Grand Prix track and port
- **Outdoor sport paradise:** Nearby mountains and skiing, cycling opportunities, and obviously the sea
- **Mainly office/lab based:** Here in Monaco, but occasional remote working possible too. Occasional travel to customer installations all around the world
- **Small team:** Embracing modern development practices. New ideas are always encouraged and we'll try most things, but we always settle on what works for us
- **Diverse team (in a good way):** Our local team in Monaco is very multicultural including old experienced engineers balanced with the brightest young graduates
- **Passionate:** We are passionate and enjoy what we do!

Contact Information

Please send your CV including at least 3 references to Ms. Silje Jahr:

Email:

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Post:

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