



Backend Engineer (Distributed Systems) | Cloud | Go, based in Luxembourg

Odysseus Space is looking for a full-time Backend Engineer (Distributed Systems). The engineer will join our headquarters in Luxembourg. Fluency in English is required for the position.

About us

Odysseus Space opened in Luxembourg in 2019 and is developing its Cyclops™ laser communication solution to bring lightspeed connectivity from Space to ground. Starting from Low Earth Orbit, the company aims at connecting any point in the Solar System to the Earth. With Odysseus Space entering a new phase of product development, we are searching for motivated professionals to join our young & international team to work on the next-generation commercial products that will shape the space missions of tomorrow.

Responsibilities

- Design, build, and deploy a cloud-based backend system composed of a set of interacting services.
- Implement reliable scheduling and coordination of time-sensitive tasks.
- Develop APIs and service interfaces to integrate external systems and data sources.
- Build secure data processing and transfer pipelines for large, high-value datasets.
- Implement encryption and access control mechanisms.
- Integrate with cloud storage services.
- Monitor system health, track operations, and maintain observability.
- Collaborate with cross-functional teams to refine requirements and iterate on solutions.

The right candidate

- 5+ years of experience in backend software development for production systems.
- Strong in Go. Experience with Python is a plus.
- Hands-on experience with cloud platforms (AWS, GCP, or Azure) and containerization (Docker).
- Solid understanding of API design (REST, gRPC) and microservices architecture.
- Experience with SQL databases (e.g., PostgreSQL) including schema design and performance tuning.
- Familiarity with message brokers (e.g., RabbitMQ, AMQP, Kafka) and asynchronous patterns.
- Knowledge of core security principles: TLS, authentication, and secrets management.
- Experience with infrastructure-as-code and automated deployment pipelines.
- Proficient with Linux and modern development toolchains.
- Is familiar with Microsoft Office Suite and Teams or is able to get acquainted in a fast manner.
- Is an outstanding verbal and written communicator in English with great interpersonal skills.
- Is a reliable, autonomous, and fun colleague to work with.



- Citizenship from a member state of both the EU and NATO.

Nice to have qualifications

- Knowledge of networking optimizations for high throughput (e.g., QUIC, TCP tuning).
- Knowledge of strategies for large data transfer (chunking, resumable uploads).
- Practical experience with observability tools for tracing, metrics, and alerting.

What we offer

- **Competitive Compensation:** Including a comprehensive stock options plan, so you share in our long-term success.
- **Generous Paid Time Off:** 40 days of paid holidays, including 29 annual leave days plus 11 public holidays, to recharge and enjoy work-life balance.
- **Daily Support & Perks:** Lunch vouchers to make your day-to-day comfortable and convenient.
- **Professional Growth:** Access to career development trainings, conferences, and continuous learning opportunities to support your growth.
- **Relocation Assistance:** Comprehensive support to help you settle in comfortably if you're moving to join us.
- **Cultural and Fitness Activities:** Free language courses and sport programs to support a healthy and balanced lifestyle.
- **Flexible Work Environment:** We offer flexible working hours and the option for remote or hybrid work to fit your personal and professional needs.

How to apply

Send your resume and motivation letter to: hr@odysseusspace.com