skyint

FullStack Development Engineer - JAVA focus

About us

Skyint is an innovative startup pushing the boundaries of software development in the space industry. We are passionate about space technology, innovation, and software quality. As part of our team, you will play a key role in shaping the future of space exploration through safety-critical, high-tech software development. Our projects range from mission control software systems running on-premises or in the cloud, to on-board embedded software which runs on spacecrafts.

Role overview

We are looking for an enthusiastic, precise and collaborative FullStack Development engineer to propel our team to new heights. You will design, develop and maintain web apps used in the ground segment of satellite missions. You will collaborate with project teams to ensure the space apps meet requirements, are well tested and integrated, while also keeping an eye on appropriate documentation.

Join us to see and experience software that is rocket science, and where our mission is not a slogan we put on the wall, but an actual spacecraft exploring the universe.

Key responsibilities

- Design, develop and maintain web applications using cutting-edge technology like Typescript, React, Vite to assist embedded SW developers in testing and validating space-grade appliances such as radhard processors and development kits.
- Design, develop and maintain JAVA Spring Boot-based documentation generation application for large satellites.
- Design and write unit tests, integration tests, E2E tests for applications used in the space industry.
- Design, develop and maintain meteorology satellite data manipulation applications using Python, NodeJS, Bash scripting languages.
- Design and integrate applications in containerized environments like Docker, Docker-compose and Kubernetes.
- Create and maintain high quality documentation for software products assessed by ESA and space industry players.
- Develop, improve and maintain a quality management system application that is used internally to support project deliveries and documentation.

Job requirements

- Bachelor's or Master's degree in Computer Science, or equivalent experience
- 1-3 years of experience in web application development
- Proficiency in JAVA
- Experience with Vite and Vitest
- Experience with PNPM
- Proficiency in JavaScript/TypeScript, NodeJS, and React
- Familiarity with web technologies: REST API, WebSocket, SSO
- Experience with microservice-based distributed applications
- Knowledge of unit testing and TDD (Jest, Mocha, Chai)
- Proficiency in at least one database technology: PostgreSQL, MongoDB, Redis, etc.
- Experience with development environments and tools: Git, GitHub, CI/CD systems
- Familiarity with cloud environments (Azure or AWS)
- Strong technical English skills (primarily written)

Preferred qualifications

- Experience with time-series databases (InfluxDB, TimeScaleDB)
- Familiarity with monitoring applications (Grafana, Prometheus, Chronograf)
- Knowledge of cloud-native applications (Azure Function or AWS Lambda)
- Experience with GitLab CI/CD
- Familiarity with Message Queue systems (Kafka, ActiveMQ, RabbitMQ, MQTT)
- Experience with containerized environments
- Knowledge of Kubernetes

What we offer

- A chance to work on space projects with direct impact on space missions.
- A dynamic, high-tech environment focused on innovation and quality.
- Opportunities for professional growth in a rapidly evolving industry.

The offered job is currently full remote, with a hybrid model transition planned to our Budapest office in 2025.