R&T Software Solutions Architect – Edge Computing

Who we are

**Zodiac Aerospace** is a world leader in aerospace equipment and systems for commercial, regional and business aircraft, as well as helicopters and space applications. **TriaGnoSys GmbH (Zodiac Inflight Innovations Germany)** is part of the internationally operating Zodiac Aerospace Group. As a modern, mid-sized company, we currently employ close to 70 people at the Wessling-Oberpfaffenhofen location close to Munich. We develop and sell satellite, wireless and mobile communication equipment for airplanes as well as systems for inflight entertainment and passenger communications. We have consistently prepared our innovative products with the help of our application-based research approach. Due to the rapid growth of our company, we are looking for ambitious, highly motivated and hands-on individuals to be employed as soon as possible.

Role and Responsibilities

The successful candidate will join the Research & Technology Development (RTD) team designing and prototyping our next generation of Inflight Entertainment and Connectivity systems based on a customer-centric innovation approach. This spans across various domains including the communication infrastructure to network convergence, cloud computing and application-driven ecosystems, where we are constantly thriving to deliver innovative concepts and solutions.

The RTD team at Zii Germany is currently looking into strategic vision and directions that can redefine the way in which we deploy, manage, operate, secure, monitor and repair our onboard distributed computing infrastructure. We are looking for a highly motivated and passionate Software Solutions Architect with experience in distributed systems who can step up and contribute to big chunks of that vision.

The main responsibilities include:
- Architect, design and implement our next generation of onboard reliable and secure cloud-native distributed system using container-based and microcontainer-based technologies.
- Drive decisions on cloud/micro-cloud/edge-cloud technologies and platforms, libraries and tooling
- Design methodologies for data storage, data processing, data distribution and analytics
- Analyze security challenges and requirements, design innovative solutions for application security and isolation
- Lead the delivery of rapid prototyping of the new architecture POC

Qualifications/Requirements
- Expert in Linux containers and orchestration systems and active within the technology community with relevant open source projects (Kubernetes, Mesos, Nomad, Dockers, RabbitMQ, ElasticSearch, Openstack etc)
- Strong knowledge and experience on networking, storage, API development, CAP theorem etc
- Hands on programming skills: Java, C++, Ruby, Python, Node.js etc
- Practical application development experience on Linux-based systems and scripting skills
- Experience with Network Function Virtualization (NFV) and/or Software defined Network (SDN) is a plus
- Experience with continuous integration tools and configuration management platforms is a plus
- 5+ years of experience in distributed software design (at least 2+ years as software architect)
- BS or higher degree in computer science or related field
- Passionate team player working in a distributed team environment and/or software project/tasks management experience is a plus

What we offer
We offer you the special chance of taking over technically significant tasks in the field of aviation and Inflight Entertainment in an international context, and to apply and perfect your own experience with a high level of independence. You will receive autonomy and creative leeway and you are welcome to take on leadership responsibilities. You will enjoy the opportunity to further educate yourself, to develop your skills in a high-tech company, and the fun of working in an international team. Flexible working hours and our family working environment are a matter of course with us.

If these interesting tasks have caught your attention, we are looking forward to your application.

Please send your application online to de.jobs@zii.aero
For any further inquiries, please do not hesitate to contact us by phone +49 (0) 8153 88678 219.