

Openstack SRE Engineer – Planet-scale Clouds



The size of our cloud platform is gaining momentum and it is already planet scale. Huawei Cloud is one of the largest and fastest growing platforms in the world. It has a strong presence with over 40 availability zones located across 23 geographical regions, ranging from Germany, France, Hong Kong and Russia to Thailand and South Africa.

Our team's mission is to develop new intelligent tools aimed at SRE and cloud maintenance operators to enable them to quickly detect anomalies thanks to the use of artificial intelligence when cloud services are slow or unresponsive. We analyze observability data from Huawei Cloud to detect glitches which impact customers, identify their root cause within seconds, and automatically fix problems, when possible.

If you are enthusiastic about tackling real-world problems which require engineering and theoretical approaches to be solved, and you love to work with a dynamic group of people driven by challenges, come and join us!

INNOVATION FIELD

To drive reliability, we are seeking for a top Openstack SRE Engineer to join the Intelligent CloudOps team which is distributed across Dublin and Munich Research Centers. You will take engineering-based approaches to solve operation problems, dissect how large-scale, complicated systems work, and feel a great satisfaction from making continuous improvements.

RESPONSABILITIES

- Develop new tools using cutting edge technology focusing on efficiency and automation
- Create postmortem documents to identify recurrent problems in Huawei Cloud which can be eliminated by proposing the development of new tools
- Assist the architectural redesign of services to increase their reliability to operate at scale
- Monitoring of Huawei Cloud, services and infrastructure, optimization of performance and resource utilization
- Exploration of the fields of cloud anomaly detection, root cause analysis, troubleshooting, recovery, and predictive maintenance
- Work closely with the AIOps team to jointly develop innovative tools driven by AI
- Grow as a person, as a teammate, and as an engineer.

SKILLS AND EXPERIENCE

- 5+ years of experience as a SRE, Production Engineer, software developer
- Openstack monitoring and troubleshooting experience
- Deep understanding of microservices, load-balancing, queueing, caching, processes, memory allocation, RPC calls, REST, distributed systems failure modes, etc.
- Experience with scripting and compiled languages (e.g., Python, Go, C/C++, Java, Pandas)
- Domain knowledge on Openstack operation and maintenance
- Demonstrated ability to solve challenging problems
- Fluent written and spoken English.
- MSc (PhD preferred) in Computer Science, or related fields.

If you fit the profile and are excited about our challenges, come and join us!