

SRE / AIOps 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 SRE / AIOps 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 AIOps tools using cutting edge technology.
- Propose new approaches to operate planet-scale cloud platforms using AI (e.g., RNN, LSTM, HMM).
- Integrate modern AI algorithms (e.g., TensorFlow, Keras, Pytorch) into production systems
- Integrate and correlate heterogeneous data source (e.g., metrics, logs, traces, alarms, events)
- Innovate on the fields of cloud anomaly detection, root cause analysis, troubleshooting, recovery, and predictive maintenance
- Rapid prototyping of tools using Big Data platforms (e.g., Flink, Spark, Kafka, HDFS).
- Grow as a person, as a teammate, and as an engineer.

SKILLS AND EXPERIENCE

- 5+ years of experience as a data scientist, data engineer, SRE, Production Engineer, software developer
- Experience with scripting and compiled languages (e.g., Python, Go, C/C++, Java, Pandas)
- Statistical and machine learning background (e.g., forecasting, multivariate analysis, stochastic models)
- Data analytics to collected and transform raw data
- Experience with applying machine learning on large-scale datasets (e.g., Tensorflow, Keras, Scikit Learn)
- Knowledgeable in different machine learning theories and algorithms (e.g. DNN, Isolation Forests)
- Demonstrated ability to solve challenging problems (required).
- Skills in big data stack (e.g., Spark, Hadoop, Kafka, Flink, NoSQL DB) (nice to have)
- Domain knowledge on IT Operation and Maintenance (nice to have)
- Project experience in large-scale systems, especially driven by AI (nice to have)
- Fluent written and spoken English.
- MSc/PhD in machine learning, computer science, bioinformatics, or statistics.

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