



Prealert Job Description

Data Engineer

As IT infrastructures get more complex the associated machine data for operations, security and performance across cloud and premise infrastructures and applications results in overwhelming volumes of Big Data. Traditional methods of monitoring and analysis just don't scale.

Prealert develops complex machine learning algorithms to automatically find anomalies in huge datasets in real-time. Our talented team of engineers and mathematicians have developed extremely effective solutions that are delivering real value to our customers. We are now looking to grow our engineering team.

We are looking for an aspiring data scientist who can understand and describe data, is eager to learn, has a passion for solving complex and interesting problems and who wants to be part of the team. You will be learning from and working with highly experienced data scientists and engineers.

Prealert is also focusing on cyber-security, and so experience in this field, or a willingness to learn from our experts is desirable.

We are a well-funded start-up company, so successful candidates will need to demonstrate a "can do" attitude, be a self-starter and be motivated to learn. This is a golden opportunity for someone with excellent data analysis skills wanting to work in the software industry.

This position is based in our London office.

Responsibilities

- Curator of data library
- Perform data analysis on complex datasets and clearly describe and communicate findings
- Generate test data sets for validating analytical functions and methods
- Support engineers in development of big data anomaly detection analytic systems

Required skills

- Able to work with large data sets; analyse, explore and interpret results, present conclusions to peers
- Detail orientated; can work in a structured disciplined manner and document data and results effectively
- Able to generate sample data sets from requirements
- Experience with statistical packages and tools (e.g. R, SAS, Octave, MATLAB etc)



- Experience with scripting languages (e.g. Unix Shell scripts, PowerShell, Perl, Ruby, Python etc)
- Able to work collaboratively, good communication skills, personable

Desired skills

- Degree or Higher Degree in Maths or related technical discipline (e.g. Physics, Engineering, Computer Science)
- Background in IT Support or sys admin role
- Experience in cyber-security, for example knowledge of vulnerabilities, recent breaches and the cyber-security landscape
- An understanding of network protocols and operations, *nix and Windows system and application log files
- Experience in software testing
- Knowledge, interest and experience in big data, data mining and statistical analysis
- Experience of using Amazon EC2