



Example of Staff Data Scientist Job Description

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Our company is looking for a staff data scientist. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for staff data scientist

- Involve in full stack software development for AIOps projects/products including data collection, data process, big data, machine learning services and visualization technologies by using state-of-art technologies including development/deployment in cloud, containers, microservice, Hadoop, NoSQL, large scale messaging systems, machine learning services, and visualization of big data
- Oversee the design, development of real-time and back-end (i.e., non-real time) risk and fraud models to predict and control risk associated with new accounts, and to combat credit card fraud, bank account fraud, identity theft fraud, spoof fraud
- Assist in building self-learning systems that can assist in medical diagnosis and move to predictive results based on multi parametric data sets (imaging, non-imaging like EMR and wave form)
- Provide guidance to data collection teams on test protocols including design of experiments, sample size, and statistical distributions
- Work with product owners and clients to fully understand business requirements and desired business outcomes
- Provide analytical assistance and solution to both interior and exterior clients, ensure smooth performance of risk model in production
- Perform other tasks on R&D, data governance, system infrastructure, analytics tool evaluation, and other cross team functions, on an as-needed basis
- As an insight incubator, works autonomously or leads teams to generate or

- Works with business planners to propose innovative products and services that fully utilize the power of big data, or that indicate the need for new data platforms and associated product/service functionality
- Collaborates with infrastructure architects in assessing and addressing the requirements for more automated, streamlined systems and for the data governance required for agile and responsive data manipulation

Qualifications for staff data scientist

- Experience with sales and marketing analytics such as pricing and revenue management models, customer sentiment analysis, market segments visualization and optimization
- Experience with scripting in a Linux environment and working with databases (SQL, non-SQL, HBASE)
- Experience with statistical and mathematical modeling environments (R, Python, MATLAB, Weka)
- Experience in web development, PHP scripting and Java is a plus
- Experience with common data science toolkits, such as R, NumPy, MatLab, Excellence in at least one of these is highly desirable
- Experience with databases and database extracts