



Example of Engineer, Data Science Job Description

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Our company is growing rapidly and is hiring for an engineer, data science. To join our growing team, please review the list of responsibilities and qualifications.

Responsibilities for engineer, data science

- Developing and integrating basic REST APIs to interact with containerized analytics solutions (swagger / node.JS / flask / bottle)
 - Experience configuring cloud platforms and deploying big data tools and solutions with technologies like AWS EMR, RDS, Redshift and DynamoDB
 - Lead development of machine learning models/predictive analytics techniques leveraging both repeatable patterns in data and discovering new features that reduce variability, improve quality and enhance product yields in magnetic head wafer manufacturing operations
 - Understand challenging business problems and develop tools & techniques to find patterns and insights within structured and unstructured data generated in nanoscale manufacturing environment
 - Manage data analytics project requiring critical thinking about the relationships of different metrics measured (metrology) and process steps to land the right features (physics & integration) for a given model
 - Prototype creative solutions for improving product performance predictability, and be able to lead others (Domain/IT stakeholders) in crafting and implementing smart factory solutions in wafer operations
 - The liaison between production platform and data scientist teams
 - Define and implement models and processes to intelligently deliver and self-heal other models and infrastructure systems in production
 - Work with platform and data scientist team to help define the development to production work flow
 - Produce production ready models provided by the data scientist team
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- Expert knowledge of Hadoop, particularly Hive and Pig
- Familiarity in building a layered architecture database with multi stage tables for several kinds of business analytics
- Ability to prioritize and execute multiple tasks in a highly dynamic environment with a results oriented mindset
- Data modeling experience and familiarity with all sorts of standard data models
- Knowledge of working with business intelligence tools (e.g., Tableau, MicroStrategy)
- Strong problem solving with acute attention to detail and ability to meet tight deadlines and project plans