

***Data Scientists and Data Engineers*** who will integrate applicable quality management and organizational excellence principles and best practices into key business processes to include oversight of medical device clinical investigations, policy and program support regarding clinical trials, biostatistics, and real-world evidence.

**Working as a *Data Scientist*, you may:**

- Design, establish, develop, and incorporate agile data analytics practices, tools, and analyses for the Center's mission-critical activities and process improvement efforts
- Plan, manage, and lead data analytics and software programming projects
- Recommend solutions regarding how to automate high visibility risk reports and data analytics to meet operational needs
- Perform medical device infrastructure development and implementation, business analytics, and modeling

**To be considered for the *Data Scientist* role, here are the skills and experience we're looking for:**

- Advanced expertise and skill in software programming and data science related to research, scientific studies, and/or quality assurance
- Expertise in using open-source programming languages such as Python to manipulate and analyze data
- Ability to utilize predictive modeling concepts, machine learning (ML) approaches, and/or optimization algorithms to analyze data
- Experience with training ML models under data-starved conditions
- Experience with domain adaptation methods
- Previous expertise in one or more of ML, deep learning (CNNs, RNNs, LSTMs, GANs), and familiarity with deep learning libraries (TensorFlow, PyTorch, etc.)
- Expertise in Artificial Intelligence, Next Generation sequencing (NGS) full workstream (wet lab through bioinformatics) and digital pathology

**Working as a *Data Engineer*, you will:**

- Serve as the Architect of Amazon Web Services (AWS) Linux data systems, connecting user facing products to back-end infrastructure
- Write code to connect scheduled jobs, microservices, and web applications to data pipelines
- Work with a team of developers in machine learning operations (MLOps), distributed microservices, and full stack data products
- Provide minimum AWS credentials for developers / services to perform their jobs with highest security standards

**To be considered for the *Data Engineer* role, here are the skills and experience we're looking for:**

- Application development: Python, Javascript, and (Node, Vue); familiarity with Scala and Functional Programming
- Streaming big data technologies: Kafka / Kinesis, Parquet, Spark Storage frameworks: SQL, NoSQL
- Microservice and infrastructure automation: AWS Cloud Formation, Terraform, Docker, Kubernetes, AirFlow
- Cloud data pipelines: S3, Lambda, Step Functions, EMR, RedShift / Snowflake
- Advanced skills in Continuous Integration and Testing frameworks