About the Role. As a Data Scientist, you will work directly with Business Analysts and Software Development Engineers to monitor the flavor/ trend of compromise on AWS worldwide and design appropriate solutions to respond in a collaborative environment. There are no walls, and success is determined by your ability to dive deep, and understand the subtle demands new and complex services will place upon systems and teams.

 Protecting AWS customers and the AWS business from compromise actors.

 Manage your own process: identify and execute on high impact projects, triage external requests, and make sure you bring projects to conclusion in time for the results to be useful.

 Apply state-of-the-art Machine Learning methods to large amounts of data from different sources to build and productionalize fraud prevention, detection and mitigation solutions.

 Keep up with and contribute to the progress of the Amazon and broader ML research communities in the context of fraud prevention.

 Deep dive on the problems using SQL and scripting languages like Python/R to drive short term and long term solutions leveraging Statistical Analysis.

 Analyze data (past customer behavior, sales inputs, and other sources) to figure out trends, create compromise prevention and mitigation solutions and output reports with clear recommendations.

 Collaborate closely with the development team to recommend and build innovations based on Data Science.

 Handle escalations from AWS Management for fraud, compromise and related activities.

 Be the primary point of contact during compromise outbreaks – including analyses to identify and apply responses.

 Collaborate in a fast paced environment with multiple teams and customers in a dynamic entrepreneurial organization.  
Learn and Be Curious. We have a formal mentor search application that lets you find a mentor that works best for you based on location, job family, job level etc. Your manager can also help you find a mentor or two, because two is better than one. In addition to formal mentors, we work and train together so that we are always learning from one another, and we celebrate and support the career progression of our team members.

Apple DS:

**Key Qualifications**  
• Experienced in data science, machine learning, visualization, and data storytelling; passionate about drawing insights and hidden patterns from data  
  
• Meticulous attention to detail, data integrity, and data wrangling  
  
• Skilled in Python or R for data science, and SQL for querying data  
  
• Highly proficient in Tableau or similar BI tools  
  
• Ability to articulate complex data science concepts in business terms, know how to tell a story to highlight key insights, and present analysis effectively to key partners  
  
• High intellectual curiosity to learn and understand business needs  
  
• Excellent interpersonal skills to collaborate with cross-functional partners to share knowledge, communicate findings, and integrate feedback  
  
  
**Description**  
The ideal candidate will have outstanding communication skills, proven data science and advanced analytics capabilities, strong business acumen, and an innate drive to deliver results. They will be a self-starter, comfortable with ambiguity, and enjoy working in a fast-paced dynamic environment.  
  
Key Responsibilities:  
  
• Develop custom models, algorithms, and interactive visualizations to deliver Supply Chain insights  
  
• Wrangle and analyze data to identify patterns and trends  
  
• Evaluate business needs through in-depth conversations with business users to understand the domain and apply data science for insights  
  
• Research and evaluate new technologies on data visualization, machine learning, modeling  
  
• Present key findings to leadership to evaluate business impact, in non-technical terms

Applied ML engineer:

Job Responsibilities:

 Identify emerging ML/AI algorithms applicable to security problems and adapt and develop proof of concepts on real world data.

 Engage with security teams across the company to identify security scenarios where machine learning/applied statistics can be used and drive the development of solutions to these problems.

 Work with other machine learning engineers and data scientists to develop machine learning systems for detecting anomalies, compromise, intrusion, fraud, and cyber-attacks.

 Work across teams in Azure Sentinel, Azure Defender and in other geographies like Israel to drive security solutions.

 Develop world class data processing systems in Python/C#/Scala using cloud services like Azure Databricks, Azure Data Factory, Azure Synapse,

 Partner with engineering teams to deliver end to end solutions for processing large scale data that originates from users, services, or other automated systems.  
  
**Qualifications**

 3+ years of educational or professional experience in developing machine learning algorithms or data mining with large amounts of data

 4+ years of experience programming in Java/Scala/C# and/or Python, with understanding of distributed computing.

 Graduate degree in Computer Science or other quantitative fields such as Engineering, Statistics, Mathematics, Machine Learning, Decision Science, Data Analytics, etc. Master and 10+ years of professional experience, or Ph.D. and 6+ years of professional experience.

 Experience with developing large scale data processing solution in cloud using Apache Spark or similar technologies.

 Experience with graph-based inference/machine learning algorithms.

 Experience developing high-performance solutions with service-oriented architecture.

 Passion for working with customers and advocating for their requirements to be met by features.  
  
**Requirements**These requirements include, but are not limited to the following specialized security screenings  
  
Ability to meet Microsoft, customer and/or government security screening requirements are required for this role.

* Microsoft Cloud Background Check: This position will be required to pass the Microsoft Cloud background check upon hire/transfer and every two years thereafter.

#AzureSecOpen

Data Scientist:

As a Data Scientist/Engineer, you will execute quantitative assessments and analytics that provide context and data-driven evidence to answer business questions. This will encompass identifying and parsing data, conducting exploratory analysis, identifying and visualizing trends, building and validating models, and translating quantitative assessments into actionable insights .  
  
**Responsibilities**

* Develop and execute analysis plans
* Identify and build systematic data pipelines
* Develop and maintain methods to retrieve, condition, validate, synthesize, and manipulate data
* Conduct exploratory analysis
* Identify and visualizing trends
* Build and validate models
* Iterate, document, and communicate throughout problem lifecycle

**Requirements**

* Passion for solving practical data-driven business questions
* Self-starter with a demonstrated track record of critical thinking translated into concrete products
* MS or PhD in Computer Science, Statistics, Applied Math, Physics, Engineering or other technical field preferred or equivalent practical experience.
* 2+ years of professional experience in quantitative analysis, research, data science or engineering (statistics, applied math, inference, predictive methods, uncertainty quantification, design of experiments, etc.)
* Strong software engineering skills in an interpreted language
* Experience manipulating and interpreting large and diverse datasets
* Strong understanding of statistical methods and software packages
* Excellent communication and collaboration skills

We value diversity at our company. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, or any other applicable legally protected characteristics in the location in which the candidate is applying.

Data and applied scientist:

**To Be Successful You Will Need**

* Excellent interpersonal, analytical, communication, and presentation skills - the ability to communicate complex findings in a simple manner.
* Strong problem-solving skills with an emphasis on process and product improvement.
* To enjoy discovering and solving problems; proactively seeking clarification of requirements and direction; being a self-starter who takes responsibility when required.
* The ability to explore different directions based on data and be able to quickly change direction based on the analysis.

**Qualifications**Required Qualifications:

* 3+years of experience in a data science specialization, including statistical data analysis and/or A/B testing in consumer-facing and/or enterprise applications is required.
* 3+years of experience using statistical computer languages (R, Python, SQL, etc.) to manipulate data and draw insights from large data sets is required.

**Preferred Qualifications**

* Bachelors/Masters/PhD degree in Computer Science, Statistics, Applied Mathematics, Operations Research, or a related quantitative field.
* Experience in specific phases of data analytics (extraction, analysis, manipulation, synthesis, summary, validation, testing, and maintenance) with the objective of solving business problems.
* Proven ability and experience in using data science, statistical computing, and predictive analysis on large scale data.
* Advanced data visualization experience is a plus.
* Experience in managing ecommerce payments and risk systems is nice to have.

Microsoft is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to age, ancestry, color, family or medical care leave, gender identity or expression, genetic information, marital status, medical condition, national origin, physical or mental disability, political affiliation, protected veteran status, race, religion, sex (including pregnancy), sexual orientation, or any other characteristic protected by applicable laws, regulations and ordinances. We also consider qualified applicants regardless of criminal histories, consistent with legal requirements. If you need assistance and/or a reasonable accommodation due to a disability during the application or the recruiting process, please send a request via the Accommodation request form.  
  
Benefits/perks listed below may vary depending on the nature of your employment with Microsoft and the country where you work.

Principal Data Scientist:

**In This Role, You Will**

* Partner with a cross-functional team of data scientists, software engineers, and product managers to deliver a product customers love
* Leverage a broad stack of technologies — Python, Conda, AWS, H2O, Spark, and more — to reveal the insights hidden within huge volumes of numeric and textual data
* Build machine learning models through all phases of development, from design through training, evaluation, validation, and implementation
* Flex your interpersonal skills to translate the complexity of your work into tangible business goals

**The Ideal Candidate Is**

* Customer first. You love the process of analyzing and creating, but also share our passion to do the right thing. You know at the end of the day it’s about making the right decision for our customers.
* Innovative. You continually research and evaluate emerging technologies. You stay current on published state-of-the-art methods, technologies, and applications and seek out opportunities to apply them.
* Creative. You thrive on bringing definition to big, undefined problems. You love asking questions and pushing hard to find answers. You’re not afraid to share a new idea.
* Technical. You’re comfortable with open-source languages and are passionate about developing further. You have hands-on experience developing data science solutions using open-source tools and cloud computing platforms.
* Statistically-minded. You’ve built models, validated them, and backtested them. You know how to interpret a confusion matrix or a ROC curve. You have experience with clustering, classification, sentiment analysis, time series, and deep learning.
* A data guru. “Big data” doesn’t phase you. You have the skills to retrieve, combine, and analyze data from a variety of sources and structures. You know understanding the data is often the key to great data science.

**Basic Qualifications**

* Bachelor’s Degree plus 5 years of experience in data analytics, or Master’s Degree plus 3 years in data analytics, or PhD
* At least 1 year of experience in open source programming languages for large scale data analysis
* At least 1 year of experience with machine learning
* At least 1 year of experience with relational databases

**Preferred Qualifications**

* Master’s Degree in “STEM” field (Science, Technology, Engineering, or Mathematics) plus 3 years of experience in data analytics, or PhD in “STEM” field (Science, Technology, Engineering, or Mathematics)
* At least 1 year of experience working with AWS
* At least 3 years’ experience in Python, Scala, or R
* At least 3 years’ experience with machine learning
* At least 3 years’ experience with SQL