



# Example of Senior Data Scientist Job Description

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Our company is growing rapidly and is searching for experienced candidates for the position of senior data scientist. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

## Responsibilities for senior data scientist

- Design, develop, and deliver AI/machine learning enabled solutions for malicious bot detection, behavioural authentication and fraud detection
- Actively contribute to the multidisciplinary team's meetings by providing insights as to how we should frame the problems we are trying to solve and which techniques we should use to solve them
- Assist with data collection, cleaning, visualization, model building, training, testing, and presentation
- Work closely with product teams to assist them with implementation of recommended data-driven solutions
- Apply data mining techniques to cleanse and explore large, complex data sets in preparation for further analysis
- Apply appropriate data reduction, feature selection, and feature engineering techniques
- Develop and implement hypothesis tests
- Develop, validate, and operationalize appropriate mathematical and statistical algorithms and models
- Review, make enhancements to, and execute operationalized algorithms and models
- Develop data products to communicate insights to internal stakeholders

## Qualifications for senior data scientist

- 2+ years of experience developing data pipelines, automated information retrieval and processing systems, advanced analytics tools for research teams and other stakeholders
- Working knowledge of diverse API's
- Master's Degree in Mathematics, Statistics, Machine Learning or a related field
- At least 3 years of experience in open source programming languages for large scale data analysis
- At least 3 years of experience with machine learning