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# Example of Quantitative Risk Analyst Job Description

Our company is growing rapidly and is hiring for a quantitative risk analyst. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for quantitative risk analyst

* Apply advanced machine learning techniques to identify investment opportunities from structured and unstructured data sets
* Develop and specify the internal market risk models and time series
* Understand risk models (ES/VaR & RNIV) currently in use and the proposed regulatory changes
* Collaborate closely with the data team to ensure that the historical data used in all calculations are appropriate
* Develop and enhance stress testing methodology to satisfy various regulatory requirements (CCAR/DFAST/ICAAP)
* Responsible for Independent Model validation and performance monitoring such as assessing the conceptual soundness, evaluating model assumptions and data integrity, testing model numerical, statistical, and/or computational accuracy, performing outcomes analysis, and reviewing model governance and control process
* Verify model performance, correct implementation, limiting behaving, and response to stress/extreme input condition-stress testing
* Support relationship with regulators and internal audit
* Validates risk rating models across the bank
* Assesses a model back-testing process

## Qualifications for quantitative risk analyst

* Familiar with vendor systems, QRM, BlackRock Aladdin, MUREX, Moody’s Risk Frontier, etc
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* Ability to show good judgment of risks and an understanding of risk areas covered, including markets, models and products
* Ability to develop strong working relationships and to communicate clearly, both in writing and verbally
* Experiences in the following will be an asset
* VAR & CVA