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# Example of Quantitative Risk Job Description

Our company is searching for experienced candidates for the position of quantitative risk. 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

* Develop VaR methodologies for new or changed VaR models related to businesses like FX/Commodities/Credit/Rates
* Implement credit risk analysis projects for banking clients, , directly involving in data mining, credit risk modelling
* Develop, create and maintain models/spreadsheets for exposure calculation
* Discuss complex and structured transactions with business (traders/sales) and risk personnel
* Involved in risk mitigation and explaining quantitative counterparty risks to sales, trading, and risk management
* Lead development of counterparty risk analytics and infrastructure
* Partner with Front Office, Middle Office, and Technology to define business processes and implement technology where appropriate
* Develops systems to quantify risk exposure
* Implements a process/system for monitoring
* Performs periodic evaluations and maintains supporting documentation

## Qualifications for quantitative risk

* Strong working knowledge of Programming languages such as C++/C#, Matlab, R, VBA
* Understanding of regression techniques, linear and logistic regression, KMV Merton model and time series modelling- survival analysis
* Experience and understanding of advanced quantitative methodologies for market risk measurement, capital modelling and derivatives pricing is essential
* Preference will be given to candidate with experience in developing risk models like Historical VaR, Monte Carlo VaR, Multi-Factor Risk Models, Stressed VaR, Liquidity Risk models, etc
* Solid background in advanced mathematics, including stochastic calculus
* Solid background in financial mathematics