# Job Description Sheet

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| **Job title** | Quant Analyst/Senior Quant Analyst / Lead Analyst (Modelling/Model Validation) |
| **Location** | London, Wroclaw |
| **Experience** | 0-10 years |
| **Job Duties** | As part of quants team of CRISIL, the role will require working on model documentation, model development or model validation assignments for large investment banks. This will include developing new models, enhancing/improving and validating existing models and documenting the same as per SR 11-7 guidelines to support the bank’s regulatory mandates.  The candidates will be required to have sound knowledge or exposure to either pricing (derivatives, CCR) or risk models in the capital markets space. This will include exposure to any of the following:-   * Market Risk/VaR models * Counterparty Risk and CVA methodologies * IMM and Risk-based margins * Pricing/Valuation models * Wholesale credit PD, LGD, EAD models * Stress testing models * Econometric models * Enterprise-wide models including Operational risk and Economic Capital   Key responsibilities include (but not limited to): understanding business requirements, regulatory guidelines, cleaning/transforming data, determining appropriate modeling methodologies, model construction/testing, building prototype models, validating the models based on prescribed guidelines, model documentation and review. |
| **Qualification** | PhD – Mathematics / Physics / Engineering / Computational Finance or similar quantitative discipline or Masters in Financial Engineering (MFE) or Mathematics with relevant experience and mathematical education background can also apply |
| **Skills Required** | * Good Math skills and excellent knowledge of quantitative finance * Specific exposure to Basel II/II.5/III models for capital markets, SR 11-7 guidelines * Strong exposure to various risk concepts including VaR, CVA, IMM, IRB and Risk-based margins amongst others * Exposure to valuation/pricing models across asset classes * Sound knowledge of standard tools and platforms used in the industry (C++, R, MATLAB, Python etc.) * Good communication skills, team-work and flexibility * Model review/validation experience would be helpful (for Validation assignments) |
| **About CRISIL GR&A:** CRISIL Global Research & Analytics (GR&A) is the largest and top-ranked provider of high end research and analytics services to the world's leading commercial and investment banks, insurance companies, corporations, consulting firms, private equity firms and asset management firms. CRISIL GR&A operates from research centers in Argentina, China, India and Poland, providing research support across several time zones and in multiple languages to global organizations. It has deep expertise in the areas of equity and fixed income research (covering global economies, 150 global sectors and over 3000 global companies), credit analysis, exotic derivatives valuation, structured finance, risk modeling and management, actuarial analysis and business intelligence.  CRISIL GR&A includes Irevna, Pipal Research and Coalition, firms which were acquired by CRISIL. For more information, please visit www.irevna.com, www.pipalresearch.com and www.coalition.com | |