Job Description

Wells Fargo’s Corporate Model Risk (CMoR) organization is seeking a highly qualified person to join its Advanced Technologies for Modeling (AToM) Group as a Senior Quantitative Solution Engineer. The responsibilities of the AToM group include development of cutting-edge models, algorithms, and visualization tools to advance the Bank’s practices in the areas of credit, operational, and market risk management.

* The Machine Learning and Validation Engineering Team within AToM has an opening for a **Senior Quantitative Solution Engineer**, who will be working to develop cloud system infrastructures and interactive web interfaces to realize cutting-edge machine learning (ML), artificial intelligence (AI) and data science (DS) applications. The responsibilities include, but are not limited to, the following:
  + Helping to develop the architecture and foundational components of our model risk platform, developing fully operational prototypes, and deploying them in partnership with our Technology partners.
  + Developing production-grade end-to-end web applications that support deployment of ML/AI/DS solutions in production.
  + Providing guidance to the broader CMoR community on best engineering practices to run modeling and analysis at scale.

**Essential Skills:**

* Master’s Degree or equivalent in computer science, electrical engineering, data science, or another discipline with a strong quantitative core.
* At least 5 years of experience with and extensive exposure to software engineering or scientific computing.
* Hands-on experience and deep knowledge in the areas of large-scale system development, data engineering and compute-intensive systems, with a track record of success in delivering systems into production.
* Experience in public/private cloud, containerization (docker and Kubernetes), and scalable architecture.
* Knowledge of object-oriented programming and design patterns, with programming skills in Python and a system language (e.g. Go, Java, C/C++, Rust).
* Knowledge of service-oriented architectures, microservices, REST APIs, modern RPC, message queue, and NoSQL databases.
* DevOps skills such as CI/CD.
* Intellectually curious, with a strong ability to solve practical problems.