Senior Software Developer

Company Background

Crédit Agricole Corporate and Investment Banking (CA-CIB) is the CIB arm of Crédit Agricole Group, world's **10th** largest bank by assets and the third largest bank in Europe. Credit Agricole offers its clients –corporates and financial instituations a large range of products and services in **capital markets, investment banking, structured finance, and commercial banking.**

The Department and position

Credit Agricole has a Global IT department (GIT) that brings together all the IT departments in charge of developing and running CACIB and Crédit Agricole S.A.'s IT system and technological infrastructure.
Global IT has a worldwide presence in Europe and Africa, Asia-Pacific and Middle East, America with more than 3500 persons.

Information Systems Asia Pacific (**ISAP**), based in **Singapore**, is the bank's premier IT hub. With over one thousand employees, ISAP is the key driver of Credit Agricole's worldwide IT strategy. Many of the Bank's most critical and important software and infrastructure solutions are developed and managed here.

The position is within the Capital Markets IT (CMI) division which manages information systems for capital markets activities which includes Front Office (FO) booking platforms, Risk Management (RM) control and regulatory reporting systems, financial product and contract valuation systems, and much more.
CMI teams are mainly located in Paris, London, New-York, Hong-Kong, India and Singapore. Current position is based out of Singapore and successful candidate will be able to work in an international context with distributed engineering teams striving for highest quality architecture and design.

Mission Context: Data Framework Project (MAR)

As part of the MAR (Market Abuse Regulation) regulatory program, the Data Framework team is looking for a development expert on big data technologies to evolve the platform to ingest market data, RFQ (Cross Asset) and distribute data via APIs.The team is working on a data centric architecture with a Collibra data dictionary and distribution of attributes to all MAR calculation models.The project milestones are ambitious and challenging. The position is ideal for someone with a strong interest in data processing and data science.

Qualifications and Profile

An ideal Candidate should have

- At least 8 years of software development experience
- At least 5 years experience working with Java
- A strong understanding of recent Java language features.
- Good knowledge of algorithms and data structures, with strong fundamentals in complexity analysis
- Strong ability to analyze code – understand execution flow & debug even without access to a debugger
- Experience with Maven, Git, writing and maintaining unit/integration tests

The candidate would need to possess the below skills/expertise

- Java 8 development with multi-threading principles, good knowledge of Java data structure and objects.
- Apache Storm/Flink/Spark
- Parrallel processing of the message transformation pipeline to fPML, Json and key/value
- Sql Server , knowledge on HDFS data storage.
- Kafka publishing/distribution primarily + MQ (optional)
- Microservices based technology. Defining APIs and registering APIs in the service catalogue.
- Systematic dictionarization of services in Collibra, APIs and functions, taxonomy of attributes in intefaces (Swagger)
- Experence in Performance Tuning and optimizations
- Experience with Jira/other issue tracking system.
- Agile methodology(Scrum/Kanban)

Other Professional Skills and Mind-set
- Excellent communication (wriiten and verbal) and interpersonal skills across all levels with demonstrated ability to influence different stakeholders.
- Strong analytical and problem solving skills
- Proficient in software development life cycle
- Autonomy to include implicit deliverables in assignment based on best practices
- Appetite to participate to technical market trends and communities
- Strong sense of confidentiality

Besides having greater development experience, as a senior developer the candidate is expected to lead discussions with architectural teams, contribute to code reviews, provide support to SIT/UAT, investigate and resolve complex techinal issues.

We offer a competitive remuneration package, consistent with your qualifications and experience.