

## JOB DESCRIPTION

<b>Title of position</b>	Backend Engineer (Java)
<b>Contract type</b>	Permanent / Fixed Term Contract
<b>Department</b>	Data CoE, APAC
<b>Reporting to</b>	Head of Data CoE, APAC
<b>Job description date</b>	3 <sup>rd</sup> November 2021
<b>Position opening start</b>	3 <sup>rd</sup> November 2021

### Position Summary

Natixis is a French multinational financial services firm specialized in asset & wealth management, corporate & investment banking, insurance and payments, and a subsidiary of Groupe BPCE, the second-largest banking group in France. In APAC Data CoE, we build enterprise-grade tech products to contribute to business growth and improve operational efficiency regionally as well as globally for Natixis CIB. Partnering with Business and Support Functions, we dive into each business domain and strive to deeply understand the pain-points and thereafter deliver bespoke data solutions with measurable business benefits.

As a Backend Application Development Engineer, you will work closely with a fully decentralized international team (spread across APAC) of Data Scientists, Data Engineers, UX Engineers, Product Managers, but also with business stakeholders and Fintech partners. You will design, implement, test, and deploy software applications using modular microservice based architectures leveraging on hybrid data model with SQL and NoSQL. And most importantly, you will be the subject matter expert on enterprise software development industry standards. In CoE, we hire people with a broad set of technical skills, ready to take on the most complex technology challenges to solve business problems in one of the most demanding, niche, and sought-after industries – Corporate and Investment Banking.

### Main responsibilities and duties of the role

- Design and lead end-to-end backend development of enterprise-grade web applications
- Develop, deploy, monitor and maintain microservices to ensure availability and scalability of applications
- Interact with users and Product Managers to understand the needs and propose solutions accordingly
- Run quick PoCs to test new ideas
- Continuously integrate new features into existing applications and products
- Conduct performance analysis and improving to ensure best user experience
- Influencing and advocating engineering excellence with industry best practices around reusability, stability, reliability of the whole CICD pipeline
- Ensure a disciplined approach in code management and automated build, testing and deployment

## Technical skill requirements

- **Must-Have**
  - Hands-on experience with Spring Boot, Spring Cloud, Spring Data, Spring Security and ORM frameworks like Hibernate.
  - Strong understanding and experience in applying OOPS, SOLID principles, design patterns and coding standards.
  - Strong experience in developing end-to-end enterprise-grade web applications and RESTful APIs using microservices and event-driven architectures
  - General understanding of decoupled application design standards and best practices.
  - Good knowledge of both SQL (MS-SQL / SQL Server / Oracle) & NoSQL databases (MongoDB)
- **Good-to-Have**
  - Good grasp on algorithms and data structures
  - Experience working on industry standard services like Message Queue, Redis, Elastic Search, Kafka, or Spark Streaming
  - Well versed with DevOps best practices like containerization, CICD pipeline (Jenkins and Maven)
  - Familiar with system security concepts like LDAP and SSO authentication, encryption, digital signature, SSL, OAuth, web service proxies, firewalls, multi-protocol gateways
  - Decent knowledge on at least one other programming language like C#, Python, etc
  - Experience in Cloud Platform & Services is a plus

## Job Qualification (education, years of experience and other soft skills)

- 5+ years of RELEVANT experience in Java with Spring Boot design and dev
- Strong individual contributor but with the ability to work within an expert cross-geography and cross-functional CoE team with colleagues having complementary skillsets
- Ability to take ownership and deliver within timelines
- Effective written and verbal communication skills
- College degree / specialization is NOT a necessity