



Aziz Lachtar

Software Engineer

Paris, France

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Professional Experience

Software Engineering Intern - Java

July 2024 – Decembre 2024

Company : **BNP Paribas**

- Enhanced the technical foundation of the application, including vulnerability management and technical migrations (Java, Spring Boot).
- Contributed to the design and implementation of new APIs and features.
- Performed unit testing using JUnit and Mockito.
- Managed test preparation, continuous integration, and production deployment.
- Developed a reporting module for banking transactions based on a hexagonal architecture (DDD).

Tools / Technologies: **Java, Spring Boot, JUnit, Mockito, Swagger, PostgreSQL, IBM UCD, Jira, Confluence, Agile Scrum.**

Software Engineering Intern

Feb 2024 – May 2024

Company : **Docaposte**

- Developed and enhanced a knowledge base application built on a microservices architecture.
- Integrated foundational components to connect authentication to an LDAP user directory.
- Designed and implemented an API to query JIRA and email systems, enabling automated indexing of ticket contents.

Tools / Technologies: **Java, Spring Boot, javaScript, PostgreSQL, LDAP, Spring Security**

Stagiaire en Ingénierie Logicielle et des Données

June 2023 – August 2023

Company : **VERMEG**

- Contributed to an Agile Big Data project focused on implementing an interconnected system with the Online Banking Services Platform.
- Developed a Kafka consumer module to facilitate data ingestion and integration with the real-time data flow management system.
- Designed and implemented a processing and aggregation module to enhance data processing performance.

Tools / Technologies: **Java, Spring Boot, Kafka, Spark Structured Streaming, PostgreSQL.**

Stagiaire en Développement Web

June 2022 – August 2022

Company : **STB Bank**

- Developed a web platform featuring an administration interface and a user space.
- Designed and implemented an admin interface to manage dynamic content such as news, teams, and other customizable elements.
- Integrated a user account creation system and a tailored navigation experience within the user space.

Tools / Technologies: **PHP / JavaScript / HTML / CSS / Bootstrap / MySQL**

Education

National Engineering Diploma in Computer Science, National Engineering School of Tunis (ENIT)

2021 - 2024

Preparatory Cycle in Physics and Chemistry (rang 92/992) , Preparatory Institute for Engineering Studies of Tunis (IPEIT)

2019 - 2021

Baccalaureate specialized in Experimental Sciences, High honors, Manzah 9 Dachraoui High School

2015 - 2019

Projects

Development of a Multi-Service E-Commerce Platform (Microservices Architecture)

- Implemented microservices architecture using Spring Cloud (Eureka).
- Ensured data persistence with both relational (MySQL) and NoSQL (MongoDB) databases.
- Technologies & Tools: : Java / Spring Boot / Apache Kafka / RESTful APIs / Spring Cloud / Eureka / Zipkin / Elasticsearch / MongoDB

Development of a Traffic Data Monitoring System

- Collected and analyzed IoT data streams using Kafka and Spark Streaming.
- Designed and implemented a solution based on Spark Streaming to process and transform IoT data streams.

Technologies & Tools: : Java / Spring Boot / RESTful APIs / Spring Security / Spark / Kafka

Development of a Banking Management System

- Designed and implemented a service for account management and banking operations.
- Technologies & Tools: : C# / .NET / Asp.net core MVC / SQL Server / Asp.net core identity

Compétences

Programming Languages: Java , C , C++ , C# , Python , JavaScript , SQL

Developer Tools : GIT, Docker, Jenkins, IntelliJ , Eclipse, Visual Studio, Swagger

Frameworks: Spring boot, .NET, ASP.NET CORE, Angular

Cloud/Databases:: AWS, IBM cloud , MySQL, MongoDB, PostgreSQL, Oracle Database

Big data: Apache hadoop, apache spark, apache kafka

Languages: Français (Bilingual), Anglais(score TOEIC : 790), Allemand (A1 level)

Certificats

Application Development using Microservices and Serverless , Coursera

DevOps, Cloud, and Agile Foundations Specialization IBM , Coursera

Introduction to Containers w/ Docker, Kubernetes & OpenShift, IBM Coursera