

Hamdi BOUGATTAYA

SENIOR KAFKA / JAVA FULL STACK ENGINEER

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Education

University of Aix-Marseille , BSc of Computer Science and Mathematics	2018 – 2021
CNED, Paris , Diploma of Advanced Technician in Computer Science	2016 – 2018
University of Pisa , BSc of Computer Science (1st year)	2015 – 2016

Professional Experience

📁 **Extrared Srl**, Senior Software Developer

Pontedera, Italy
Jan 2022 – present

» [Customer: Autostrade per l'Italia S.p.A](#)

Project > IoT data collection, processing and enrichment:

- Data collection using Kafka connectors
- Developed several Kafka Streams applications to process and enrich data
- Implemented automated testing with Robot Framework, increasing test coverage and minimizing manual QA efforts
- Managed CI/CD process

🔧 **Technologies:** Java J2EE - Spring Framework - Kafka - Kafka Streams - Kafka Connectors - Confluent - Elasticsearch - OpenShift - AWS (EKS, EC2, S3, Athena) - Redis - Kibana - Jacoco - Robot Framework - Docker - Kubernetes - Jenkins - SonarQube - ArgoCD - Urbancode Deploy

» [Customer: Fendi](#)

Project > Fendi Events Manager:

- Developed an event management platform, improving client booking experience

🔧 **Technologies:** Java J2EE - Spring Framework - PostgreSQL - React - Redux Toolkit - MUI - ViteJS - Swagger - Nginx

» [Customer: Coopservice](#)

Project > Kimer@ mobile app:

- Developed an asset management mobile app

🔧 **Technologies:** Java - Spring Framework - React Native - Keycloak - Firebase - Push notifications - Fastlane

📁 **Extracube Srl**, Senior Software Developer

Pontedera, Italy
July 2019 – Dec 2021

» [Customer: Extra GROUP](#)

Project > Jira Expense Plugin:

- Developed a Jira plugin to manage employees expense reports

🔧 **Technologies:** Java - Spring Framework - PostgreSQL - React - Redux Toolkit - MUI - Atlassian UI kit - Atlassian Forge - Openshift - Tekton

» [Customer: Banca Intesa Sanpaolo](#)

Project > Roky, Shareholders:

- Developed banking and financial microservices
- Ensured quality with unit tests and Jacoco

🔧 **Technologies:** Java - Spring Framework (Boot, Batch) - Openshift - Keycloak - Kafka - DB2 - Oracle DB - Jacoco - JUnit - Jenkins

Municipia Spa (ex Kiunsys Srl), Software Developer

Pisa, Italy
Dec 2017 – July 2019

» [Customer: T-SYSTEMS Deutsche Telekom](#)

Project » *Park and Joy*:

- Developed REST APIs for a mobile application (Park and Joy)
- Developed a dashboard to track parking statistics
- Ensured quality with unit tests
- Improved existing code using SOLID design principles

» **Technologies:** *Java - Spring Framework - JSP/Servlet - MySQL - AWS - Docker - Jenkins - CircleCI - Jira - Confluence - Angular*

Daxo Mobile and RFID, Web Developer

Pisa, Italy
Sept 2017 – Dec 2017

» [Customer: FUTURA and UC CONVERTING](#)

Project » *CMMS (Computerized Maintenance Management System)*:

- Developed a computerized maintenance management system

» **Technologies:** *Java - Spring Framework - PostgreSQL - AWS - Docker - InfluxDB - Prometheus - Grafana - Angular*

Microzed, Software Developer Intern

Megrine, Tunisia
Jan 2017 – June 2017

» [Customer: BOMI](#)

Project » *CRM (Customer Relationship Management)*:

- Modified existing software to detect and correct errors, improve performance, and upgrade interfaces
- Prepared reports on specifications and activities for each project

» **Technologies:** *Visual Studio - .NET - C# - VB.NET*

Certifications

- **Red Hat Certified Cloud-native Developer (November 2024)**

Skills

- **Programming Languages:** Java / Kotlin - JavaScript/TypeScript - Python - SQL - Rust - Go - Swift - C / C++ / C# - VB.NET
- **Frameworks & Libraries:** Spring Framework - React / React Native - Redux Toolkit - Flutter - Angular - Apache Kafka (Streams, Connectors) - Apache Camel
- **Databases:** PostgreSQL - MySQL - DB2 - Oracle DB - MongoDB - Redis - InfluxDB
- **Cloud & DevOps:** AWS (EKS, EC2, S3, Athena ...) - Azure - GCP - Confluent - Firebase - Supabase - Docker - Kubernetes - OpenShift - Tekton - Jenkins - CircleCI - ArgoCD - UrbanCode Deploy - SonarQube - Fastlane - Git
- **Monitoring & Testing:** Elasticsearch - Kibana - Opensearch - Prometheus - Grafana - Jacoco - Robot Framework - JUnit - Mockito - Test Containers
- **Additional Tools:** Keycloak - Push notifications - Swagger - Nginx - Atlassian Suite (Jira, Confluence, Forge)
- **Methodologies:** Agile - Scrum - CI/CD

Languages

- **Arabic** (Native) - **French** (Bilingual) - **English** (Professional) - **Italian** (Professional)