

# Oussama BOUMOUR

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## EXPERIENCES

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### Software Engineer / Java Developer

Monaco, MC

*Monaco Telecom - Telecom*

*Since Dec 2023*

- Incorporated SMDP+ and ES2+ Thales equipment for eSIM provisioning into our internal system
- Authenticated and secured communication between microservices using mTLS and JKS format keystore/truststore
- Optimized a complex daily cron job, reducing execution time from over 30 minutes to under 3 minutes using SQL CTE
- Developed microservices from scratch using Spring Boot v3.3.0, Quarkus v3.8.4, Java 21 and Maven v3.9.6
- Implemented a notifier microservice with asynchronous communication model using RabbitMQ
- Promoted code flexibility by applying the GoF Design Patterns and Design Principles (SOLID, KISS, DRY)
- Implemented unit, integration, and end-to-end tests
- Maintained code by fixing bugs, refactoring, coverage-based test suite augmenting, and upgrading to LTS releases
- Upgraded Java 11 microservices to Java 21
- Deployed and troubleshoot microservice docker instances using Kubernetes

### Software Engineer / Java Developer / DevOps

Paris, FR

*Accenture - Industry X.0*

*Sept 2022 – Dec 2023*

- Set up complex CI/CD pipelines targeting different infrastructures using Azure DevOps, Maven, Jacoco and SonarQube
- Secured media on e-learning platforms with DRM technology using Axinom REST API
- Deployed applications using AWS EC2 and S3 buckets

### Full Stack Web Developer Springboot Java / Angular

Clermont-Ferrand, FR

*Neofugu - Luxury*

*Sept 2020 – Sept 2022*

- Designed new features using UML and DDM approaches
- Developed new features e2e using Springboot/Java and Angular
- Tested new features by applying TDD practices using Junit, Mockito, Rest Assured, Karma Jasmine, and Cypress
- Maintained code by delivering hotfixes, reducing technical debt, and improving the overall code quality/performance
- Applied agile software development and practices
- Identified, reproduced, and fixed bugs

## EDUCATION & COURSES

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### Master's degree in Computer Science - Software Engineering

Clermont-Ferrand, FR

*Computer Science Institute of Auvergne - ISIMA*

*Sept 2020 – Sept 2022*

- Designed/Developed a mobile application for managing the inventory of a house (Spring Boot, Kotlin and Flutter)
- Android mobile apps development
- Software engineering at Almerys (DDD, TDD, BDD, Spring Boot)
- Unit, Approval and Mutation Testing, Code coverage, Gilded Rose Refactoring Kata, Agile values and principles
- Enumeration algorithms

### Bachelor's degree in Computer Science

Clermont-Ferrand, FR

*Computer Science Institute of Auvergne - ISIMA*

*Sept 2019 – Sept 2020*

- Graph theory (graphs concepts: DFS, BFS, Dijkstra)
- Software engineering (SDLC, OOP, UML, Design Patterns)
- Dynamic programming VS Recursive programming VS Memoization

### DEUST in Mathematics, Computer Science, and Physics

Casablanca, MA

*Faculty of Science and Technology of Mohammedia - FSTM*

*Sept 2017 – Sept 2019*

- The C programming language (conditional structures, iterative structures, recursion, arrays, pointers, search and sorting algorithms, data structures: FIFO vs LIFO vs Trees)
- RDBMS MySQL (CRUD Operations) + Merise

## Baccalaureate in Mathematics

Casablanca, MA

*Mohammed V High School*

*Sept 2016 – Sept 2017*

## TOOLS & TECHNOLOGIES

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**Front-end** : Angular Framework: (TS, HTML5, SCSS) | Native: HTML5, CSS3, JS | Storybook

**Back-end** : Design: PlantUML, StarUML | Frameworks: Spring Boot (Java / Kotlin), Quarkus | Programming Languages: Java, Kotlin, Python, PHP, C, Assembly | SGBD: Relational (PostgreSQL, MySQL, MariaDB, Oracle), NoSQL: MongoDB

**DevOps** : Build: Gradle, Maven, Docker | REST API Clients: OpenAPI, Swagger, Postman | Artifact Management: Jfrog, Nexus repository, DockerHub, npm | Test: JUnit, REST Assured, Jasmine, Karma, Cypress | VCS / SCM: Git, GitLab, GitHub, Azure DevOps | Database Management: Liquibase, Adminer | Config Management: Unix CLI | Cloud / IaaS / PaaS: AWS, Heroku | Orchestration & Scheduling: Kubernetes | Provisioning: Vagrant | Message brokers: RabbitMQ

**Others** : Data exchange languages: XML, JSON, YAML | IDEs and text editors: JetBrains Products (IntelliJ, DataGrip, WebStorm, PyCharm), VS Code, Code::Blocks, Lens, Sublime Text, Vim | Collaboration: Jira, Confluence

## LANGUAGES

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**English** : Upper-Intermediate

**French** : Fluent

**Arabic** : Fluent