Oussama BOUMOUR

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EXPERIENCES

Software Engineer / Java Developer

Monaco Telecom - Telecom

- 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 troubleshot microservice docker instances using Kubernetes

Software Engineer / Java Developer / DevOps

Accenture - Industry X.0

- 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

Neofugu - Luxury

- 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

Master's degree in Computer Science - Software Engineering

Computer Science Institute of Auvergne - ISIMA

- 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

Computer Science Institute of Auvergne - ISIMA

- 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

Faculty of Science and Technology of Mohammedia - FSTM

Clermont-Ferrand, FR

Sept 2020 - Sept 2022

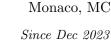
Clermont-Ferrand, FR

Sept 2020 - Sept 2022

Clermont-Ferrand, FR

Sept 2019 – Sept 2020

Casablanca, MA Sept 2017 – Sept 2019



Paris, FR

Sept 2022 - Dec 2023

- 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

Mohammed V High School

Tools & Technologies

Casablanca, MA Sept 2016 – Sept 2017

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, Koltin, 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

English	:	Upper-Intermediate
French	:	Fluent

Arabic : Fluent