

# Mohamed Ali EM

Born in 01/19/1991

Java / J2EE Consultant

+33623315368

## TRAINING

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|-----------|--|
| 2012-2015 | National Engineer Diploma: Software Engineering: Higher School of Engineering of Tunis |
| 2009-2012 | Fundamental License in Computer Science: Higher Institute of Management of Tunis       |

## SKILLS DOMAINS

### > Project management

- V Cycle
- Technical Specifications
- Writing Functional and technical document
- Team management

### > Development

- Java (J2EE / J2SE / J2ME)
- Spring (Core / Security / Data / Batch / Webflow)
- Big Data (Spark / Kafka / Hadoop)
- Knowledge of SOA architecture
- Web design
- HTML5, CSS3, W3C, Javascript
- Web Services (Rest / SOAP)

### > Functional

- Revenue Assurance in the field of telecommunications
- Knowledge of some aspects in the banking sector (Transfers, Account Management)

## LANGUAGES

French

English

Arabic

German (Basics)

## PROFESSIONAL EXPERIENCES

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|---|---|--------------------------------|
| <b>UTILIUM (BSC SMART CHAIN)</b>            |   | <b>From 01/2022 to 06/2022</b> |
| <b>FrontEnd Developer (Web3)</b>            |   |                                |
| Project                                     | <b>UTILIUM LAUNCHPAD/Shop</b>   |                                |
| Mission                                     | <p>Design and development of Rest WebServices with spring boot/java11 and Web3J(Web3 for Java)</p> <p>Develop interfaces in ReactJs 17.0.2</p> <p>Develop a java bot to autofill Listing request for CMC and CG using Selenium/ApachePOI to autofill annex</p> <p>Getting Circulating Supply/Total Supply, info in BSCSCAN using Web3J</p> <p>Fixing Smart Contract Issues</p> <p>Connecting UI with blockchain using web3js / usedapp</p> <p>Creating IOS/Android app using ionic capacitor</p>                        |                                |
| Technical environment                       | Java J2EE, JDK11, Spring boot, Spring Rest, Spring Data / Core , TypeScript, GIT, Jenkins, UsedApp ,Web3Js ,Ethers.js,Web3Utils,ionic,capacitor   |                                |
| <b>H.Token (Cronos Blockchain)</b>          |   | <b>From 01/2021 to 06/2022</b> |
| <b>FrontEnd Developer (Web3)</b>            |   |                                |
| Project                                     | <b>H.Token Plateform</b>  |                                |
| Mission                                     | <p>Design and development of Rest WebServices with spring boot/java11 and Web3J</p> <p>Develop interfaces in ReactJs 17.0.2</p> <p>Developing Listener for buy and sell , staking using web3j</p> <p>Develop batch to calculate total invested in \$ for each holder ( Reward Program)</p> <p>Connecting UI with blockchain using web3js / usedapp</p>  |                                |
| Technical environment                       | Java J2EE, JDK11, Spring boot, Spring Rest, Spring Data / Core , TypeScript, GIT, Jenkins, UsedApp ,Web3Js ,Ethers.js,Web3Utils   |                                |
| <b>CNP INSURANCE (France)</b>               |   | <b>From 12/2020 to 12/2021</b> |
| <b>Senior Fullstack developer</b>           |   |                                |
| <b>Java React</b>                           |   |                                |
| Project                                     | <b>MAPI</b>   |                                |
| Mission                                     | <p>Design and development of Rest WebServices with spring boot/java8</p> <p>Develop interfaces in ReactJs 16.12.0</p>   |                                |
| <b>DGFIP(Ministry of finance in France)</b> |   | <b>From 11/2019 to 12/2020</b> |
| <b>Senior FullStack Developer</b>           |   |                                |
| Project                                     |   |                                |
| Mission                                     | <p><b>PILOT-CF</b></p> <ul style="list-style-type: none"> <li>Design and development of Rest WebServices</li> <li>Design and development of integration batches and allocation of tax cases</li> <li>Design and development of batch recovery from the old platform to the new PILOT-CF</li> <li>Design and Development of tax affairs management interfaces in ReactJs/TypeScript</li> <li>Development of WS integration tests with Cucumber</li> <li>Development of batch integration tests with Cucummber</li> </ul> |                                |
| Technical environment                       | Java J2EE, JDK8, Spring boot, Spring Rest, Spring Data / Core / Sécurité, Spring Batch, Cucumber, Eclipse, TypeScript, GIT, Jenkins, Sonar, Squash  |                                |

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|-----------------------|--|-------------------------|
| <b>LCL ( Bank)</b>    |  | From 01/2019 to 11/2019 |
| <b>Java Developer</b> |  |                         |
| Project               | OFAC   |                         |
| Mission               | <ul style="list-style-type: none"><li>• Analysis of changes affecting the account opening tools for the OFAC project</li><li>• Realization of the various technical specifications of each Account opening tool</li><li>• Coordination and follow-up with the different teams (SDE / DEV)</li><li>• Development of new interfaces with ReactJs</li></ul> |                         |
| Technical environment | Java J2EE, JDK6, Eclipse, ReactJs , Javascript, SVN  |                         |

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|-------------------------------------|--|---------------------|
| <b>LCL Internet Banking Service</b> |  | From 09/18 to 12/18 |
| <b>WEB JAVA Developer</b>           |  |                     |
| Project                             | POPIN MAJIC (Updating customer information)  |                     |
| Mission                             | <ul style="list-style-type: none"><li>• Corrections to the existing version of the customer information update interfaces.</li><li>• Development of new MAJIC functionalities.</li><li>• Realization of unit tests in JUNIT.</li></ul> |                     |
| Technical environment               | Java 7, Spring, CICS Mainframe, Javascript, Tomcat7, JSP, CSS3, HTML5, SVN   |                     |

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**LCL Internet Banking Service**

From 03/18 to 09/18

**Java Technical Leader****Project****Money Transfert Project****Mission**

- Drafting of specifications based on the desktop version
- Solution design
- Drafting of the architecture diagram for the new project.
- Writing of functional and technical specifications
- Monitoring of the development team.
- Code Review
- Coordination between the different teams (infra / mobile / Back)
- Coordination with the infra team to open the necessary flows and set up pilot and production environments
- Test the different WSs before delivery to acceptance
- Delivery of the solution

**Technical environment**

Java 8, REST WS, WS GWOA, Spring, CICS Mainframe, JWT, Tomcat8, GIT

**ELITE-BUSINESS**

From 09/16 to 01/18

**Learder Technique JAVA BigData****Project****RafTools 2.0 Revenue Assurance and Fraud Detection System****Mission**

- Drafting of the specifications with the constraints of the previous version of the system
- Writing of functional and technical specifications
- Realization of an ETL in Java JEE JSF
- Development of Java Jobs for file collection and processing schedules with Quartz
- Realization of Spark jobs for statistical calculations and reconciliations between the different flows of a telecom operator
- Using Cassandra as a data warehouse
- PostgreSQL for ETL data persistence
- Business layer implementation of the ETL Module in Java 7, Java EE
- Using SpringData for the Reporting Module Model Layer
- Realization of the ETL web interfaces
- Using PostgreSQL for Reporting Module Data Persistence
- Business layer implementation of the Reporting Module in Java 7, Hibernate, Spring MVC
- Realization of the Web interfaces of the reporting module in JSF PrimeFaces

**Technical environment**

Java 8, EJB 3, Spark (Core, SQL), Hibernate, JSF 2, Primefaces, Omnifaces, Maven, Cassandra, Spring (Core, Data, Security, MVC, Batch), HTML5, SVN

**MATTEL (Mauritanian-Tunisian telecommunications)**

From 04/16 to 08/16

**JAVA J2EE Developer**

|                       |   |
|-----------------------|---|
| Project               | Post-paid customer billing system (Bill Tools) / Interco billing system (InterTools)  |
| Mission               | <ul style="list-style-type: none"> <li>• Analysis of the specifications</li> <li>• Writing of functional and technical specifications</li> <li>• Design and implementation of the invoicing module, management of postpaid customers, management of packages</li> <li>• Development of the LCR (Least Cost Routing) module in Java from the routing plan files of partner operators</li> <li>• Development of the automatic synchronization program between the HLR / Activation base, the SIGA ERP and the invoicing database</li> <li>• Using JPA, Hibernate, and PostgreSQL 9.3 for data persistence</li> <li>• Realization of Web interfaces in JSF, XHTML, CSS3, PrimeFaces</li> <li>• Use of JasperReports for the reporting module and the generation of Interco and Post-Paid invoices</li> <li>• XP Methodology</li> <li>• Operational training for the teams concerned</li> </ul> |
| Technical environment | Java 8, EJB 3, PrimeFaces, JEE, Hibernate, JPA, JSF GoogleMaps, XHTML, CSS3, PostgreSQL, WildFly, ApachePoi, iText, JSCH, CommonsFtp, DynamicReports, Quartz, GIT   |

**Chadian Telecommunications Regulatory Authority**

From 01/16 to 04/16

**JAVA J2EE Developer**

|                       |   |
|-----------------------|---|
| Project               | Taxation and reconciliation system with data provided by operators Development of a geolocation system for subscribers based on their call details  |
| Mission               | <ul style="list-style-type: none"> <li>• Analysis of the specifications</li> <li>• Writing of functional and technical specifications</li> <li>• Design and implementation of the invoicing module, management of postpaid customers, management of packages</li> <li>• Development of the LCR (Least Cost Routing) module in Java from the routing plan files of partner operators</li> <li>• Development of the automatic synchronization program between the HLR / Activation base, the SIGA ERP and the invoicing database</li> <li>• Using JPA, Hibernate, and PostgreSQL 9.3 for data persistence</li> <li>• Realization of Web interfaces in JSF, XHTML, CSS3, PrimeFaces</li> <li>• Use of JasperReports for the reporting module and the generation of Interco and Post-Paid invoices</li> <li>• GIT for versioning</li> <li>• XP Methodology</li> <li>• Operational training for the teams concerned</li> </ul> |
| Technical environment | Java 8, EJB 3, PrimeFaces, JEE, Hibernate, JPA, JSF GoogleMaps, XHTML, CSS3, PostgreSQL, WildFly, ApachePoi, iText, JSCH, CommonsFtp, DynamicReports, Quartz, GIT   |

**MAURITEL-BUSINESS**

From 09/15 to 12/15

**JAVA J2EE Developer**

Project

RafTools Revenue Assurance and Fraud Detection System

Mission

- Analysis of the specifications
- Writing of functional and technical specifications
- Implementation of REST Web Services for HLR and OCS to block fraudulent numbers
- Realization of the various Web interfaces for the administration, the various teams and validation of the survey in JSF combined with PrimeFaces
- Business layer implementation in Java 7, Java EE, EJB3
- Using JasperReports for Reporting
- Managing the dependency and deployment of the application via Maven
- Using PostgreSQL for data persistence
- Using WildFly 8 as an Application Server
- Managing dependencies with Maven
- Collection of Change Requests from the client and training of the various IT and Revenue Assurance teams on the operation of the system
- Realization of the Web interfaces of the reporting module in JSF PrimeFaces

Technical environment

Java 7, JEE, Eclipse, DynamicReports, HighFaces, Maven, Quartz2.2, SSHJ, Batch, JSF, Primefaces, REST, OpenCsv, C ++, ASN1, CommonsCSV, JPA 2.1, EJB 3, Apache Commons Ftp, REST, JAX-RS

**ELITE-BUSINESS**

From 01/15 to 08/15

**JAVA J2EE Developer**

Project

Dynamic Reporting System

Mission

- System design and mock-up with UML
- Realization of the various web interfaces for configuring reports and dashboards in JSF with PrimeFaces
- Business layer implementation in Java 7, Java EE
- Managing the dependency and deployment of the application via Maven
- Using javassist for the dynamic creation of classes in runtime for the different reports
- Using JPA, Hibernate with PostgreSQL for data persistence

Technical environment

Java 7, javassist, JPA, Hibernate, PostgreSQL, PrimeFaces, JSF, Omnifaces, Eclipse, StarUML

**Tunisian National Social Security Fund**

From 01/12 to 08/12

**JAVA J2EE Developer**

Project

Dynamic Reporting System

Mission

- System design and mock-up with UML
- Realization of the various Web interfaces in JSF combined with PrimeFaces,
- Using JPA, Hibernate and Oracle for data persistence.
- Establishment of an FTPS connection with banks to retrieve digitized bank statements.
- Extraction of digital survey data with PDFParser.
- Oracle Database side backup
- Creation of java programs for consistency checking

Technical environment

Java 6, Oracle, Hibernate, JPA, Eclipse, Commons Ftp, CSS, Maven, XHTML, Apache POI