

# IQBAL AISSAOUI

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## EDUCATION & CERTIFICATIONS

<b>Oracle</b> Oracle Certified Associate, Java SE 8 Programmer	2019 Casablanca
<b>International Academy of Civil Aviation</b> CS Engineering Diploma	2012 – 2015 Nouaceur, Morocco
<b>Mohamed V Preparatory Center</b> Preparatory Classes (MPSI)	2010 – 2012 Casablanca
<b>Mohamed V High School</b> Baccalaureat SM-B	2010 Casablanca

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## PROFESSIONAL EXPERIENCE

<b>Mindera</b> Senior Backend Software Engineer	11/2022 – Present Casablanca
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- Senior Backend Software Developer for Avios Team, Avios is a loyalty program built for International Airline Group (IAG) The platform powers the loyalty membership life cycle including: enrollment, profile and identity management, recognition tier points, status and benefits and Avios currency transaction services.
- Led Discovery Spikes for Redis Implementation (Spring Boot + AWS Elasticache), boosting performance, lightning pressure on our API Supplier, and finally contributing to the resilience of the product
- Led SQS Implementation to complement Redis caching with event driven cache eviction (Spring AWS Cloud)
- Introduced testing for Open Policy Agent with mocking, safe guarding against faulty authorization policies protecting gateway
- Decoupled OPA Authorization from Traefik Gateway, Splitting Services from Sidecar setup to standalone microservices, empowering gateway and authorization service to scale independently
- Led Discovery for Spring Cloud Config Server and Client Implementations, Thus reducing state held in IaC Terraform Repo by externalizing configuration
- Introduced testing for All these implementations (Embedded Redis, Embedded SQS Queues, simulation via TestContainers + localStack )
- Led Migration from Spring Boot 2.X to 3.X, rewriting Oauth2 and RestTemplate custom client to WebClient to query and authenticate with API Supplier
- Resolved bugs and participated in application maintenance
- Wrote various Confluence wikis documenting various complex issues encountered during development
- Introduced retry policies for WebClient to improve fault tolerance
- Developed Datadog monitors, dashboards, synthetic tests to enhance reactivity and production observability
- Performance testing with Locust to simulate production deployments, investigate rolling update issues causing 503s, improving Infra

- Led investigation of ECS Cluster deployment issues, 503s

Technologies and methodologies:

- Scrum
- Java 17/21, Spring Boot 2/3, TestContainers, LocalStack, Mockito, Awaitility
- AWS (IAM, EC2, ECS, SQS, SNS, Elasticache, CloudMap, Route53, S3)
- Datadog

## **SICPA SA**

02/2021 – 10/2022

Java Microservices Developer

Casablanca

- Senior Developer for the SICPATRACE Legacy and Next Generation Solutions, a multi-tenant and distributed system that connects SICPA, Governments and Manufacturers to track factories production
- Developed new features for Georgia's Sicipatrace implementation within a Scrum team
- Customized existing core features to respond to Georgia and Tanzania's needs
- Trained on Helm, OpenShift, Apache Kafka, and Protobuf for the Next Gen product
- Participated and wrote Architecture Reviews to define proper solutions to existing issues
- Wrote architecture proposals for new solution implementations
- Resolved bugs and participated in application maintenance
- Wrote various Confluence wikis documenting various complex issues encountered during development

Technologies and methodologies:

- Scrum
- OpenJDK11, RxJava, Spring boot, Protobuf
- Jenkins, Helm, OpenShift, Apache Kafka
- EJB3, JBOSS 6, Wildfly, JDK 6, AngularJS, JSF, Oracle DB, ...

## **ORANGE BUSINESS SERVICES**

08/2020 – 02/2021

Software Engineer

Casablanca

- Scrum Master for the current release of CREOL, a presales application that offers insights on the best technologies Orange can offer the customer based on different criterias
- Developed new features within a Scrum team in Angular 8 and Java 8/Spring Boot
- Resolved bugs and participated in application maintenance
- Coached the team in agile practices

Technologies and methodologies:

- Scrum
- Java 7/8, Mockito, Junit 5, SonarQube, Angular 8, RxJS, Spring Framework, Spring Boot, Jira, Gitlab CI/CD

## **REMEFOX**

11/2019 – 05/2020

Consultant

Utrecht

- Trained on the WSO2 stack, Implementing integration patterns with the ESB component through common sequences and mediators that enable you to implement various integration scenarios, including file-based and message-driven ones.
- Trained on OAuth2 federated identity with WSO2 API Manager and Identity server

Technologies and methodologies:

- Java 8 , WSO2 API Manager, WSO2 Identity Server, WSO2 ESB Linux, XML, Docker.

## ATOS

04/2019 – 10/2020

Medior Software Engineer

Casablanca

- Designed & Developed home delivery feature for the Auchan Luxembourg E-Com platform
- Back end: Developed business logic Services: Manage packaging, delivery fees, time slots,
- Front end: Developed Apache Tapestry TML pages, Administration JSP pages.
- Resolved bugs and participated in application maintenance
- Integrated Gatling with Gitlab CI/CD and configured the pipeline
- Presented a demo for the team on GitLab CI/CD and Gatling CI

Technologies and methodologies:

- Scrum
- Java EE, Spring MVC, Gatling CI, Gitlab CI/CD, MySQL, Git, Jira, Shell, Apache Tapestry, Linux, Jira

## LABVANTAGE

09/2015 – 03/2019

Solution Engineer

Casablanca

- Designed & developed a multitude of SOAP web service interfaces. The interfaces are developed in Java and implement several business rules required by laboratories in regard to sample management. The project covered the development of clients to manage input from SAP, WebMethods, and other middlewares, to process incoming messages, integrate them in the LIMS, and build responses either synchronously or asynchronously. Testing and mocking web services were performed by the SOAP-UI tool. I also wrote technical documentation for these interfaces.
- Extended standard LabVantage functionality to respond to customer needs in Java for the backend. JSP and JavaScript were used on the front-end. Developed features range from specific Java classes to handle new functionality for samples and batch management, file integration, UI configuration and development, scheduled tasks, SQL scripts to prepare for version upgrades. The implementation allows migrating sample data safely and take into consideration feature changes, persists previous business rules to the new version, and adapts to database schema changes. Provided 3rd Level support to customers to resolve bugs, debug performance issues, scheduling, and periodic task problems.
- Designed and developed “LIMS-BI”, an IBM Cognos Business Intelligence solution for the LabVantage LIMS. The aim of the project is to help Lab Admins and Lab Analysts generate Cognos reports independently by querying the Framework Manager’s model through simple drag and drop:Leverage IBM’s SOA Architecture by interfacing with the suite’s components (SOAP)

Technologies and methodologies:

- Waterfall & Agile, Java SE/EE, XML/XSD, JavaScript, Jersey, Groovy, JAXWS, Apache Axis 1/2, Soap-UI, Apache Commons, Apache Lang, dom4j, Oracle DB 12c. LabVantage Java APIs, jQuery, Simple XML, MS SQL Server, IBM Cognos SDK, Cognos Framework Manager SDK, Cognos BI Bus Web Services, JSP, Jackson

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**SKILLS**

- Methodologies: Waterfall, Scrum
- Languages: Java SE/EE, HTML/CSS, Javascript, XML, C/C++
- Frameworks & SDKs: Spring MVC, Apache Tapestry, IBM Cognos SDK, Bootstrap, Hibernate
- Databases: Oracle DB, MSSQL Server, MySQL
- Technologies: SOAP, REST, Docker, Docker Compose, Gitlab CI/CD, Gatling CI, ...