



Mohamed Melki

Senior Java/JEE Engineer

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Tunis 2009, Tunisia

Profile

Senior Java Backend Engineer and Technical Lead with extensive experience building **distributed, event-driven systems** across finance, workflow automation, and collaboration platforms. Proven track record in **DDD, TDD, and cloud-native microservices**, with a strong focus on performance, reliability, and clean architecture.

Professional Experience

iObeya, Tunis, Tunisia
Technical Lead

Oct 2024 to Present

- Technical lead on iObeya NextGen, a visual collaboration platform for enterprise Agile and operational management.
- Designed and developed high-performance backend services.
- Led time-series & KPI services, including aggregation, consolidation, and complex frequency models.
- Implemented event-driven processing using Redis Streams and TimescaleDB.
- Worked closely with DevOps on Docker, Kubernetes, Helm, and integrations with Kong API Gateway and Keycloak.
- Ensured high code quality through strong testing, CI reliability, and mentoring.

ADAD - platform for airlines financial reconciliation, Tunis,
Tunisia

Jan 2022 to Sept 2024

Java Backend Engineer & Scrum Master

- Participate in from-scratch application architecture.
- Develop features in ETL, matching/featurization and KPI components.
- Coach junior team members to clean code principles and Agile methodology.

keywords : *Domain Driven Design, Microservice architecture, Test Driven Development, Java/JEE, Spring boot, Docker, PostgreSQL, MongoDB, AWS*

Marjory - configurator of business processes for
marketplaces, Tunis, Tunisia

Oct 2019 to Dec 2021

Senior Java/JEE Engineer

- Develop components in communication with jBPM and JSFlow
- workflow engines. Develop features to dynamically deploy processes in a sandbox AWS
- environment. Participate in migration to a microservices architecture, a Pub/Sub
- communication and a feature teams organization.
- Identify performance issues with Gatling load tests scripting.

keywords : *Domain Driven Design, Microservice architecture, Test Driven Development, Java/JEE, Spring boot, Docker, PostgreSQL, MongoDB, AWS*

iObeya - platform for visual collaboration, Tunis, Tunisia
R&D Engineer

Sept 2015 to Sept 2019

- Participate in development of brainstorming and animation features.
- Implement an ACL security in all platform levels.
- Tackle performance problems with in-house CQRS/Event Sourcing implementation.
- Discover and explore new feature paths with PoC preparations.

- Integrate third party services like Jira.

keywords : *SAFe methodology, Java/JEE, Spring, Hibernate, MySQL, Oracle, JBoss, AngularJS*

eXoPlatform, social intranet platform, Tunis, Tunisia
Java Support & Development Engineer

Nov 2014 to Aug 2015

- Maintained and enhanced core platform modules; diagnosed and resolved production incidents and customer-reported issues.
- Delivered feature enhancements and automated tests to improve reliability and reduce regressions.
- Collaborated with product and QA teams to prioritize fixes and implement performance improvements.

keywords : *Java/JEE, Redhat suite, Portlets, JCR, Support, Performance Optimization*

Education

National Engineering School of Tunis
Computer Science Engineering

Sept 2011 to Jun 2014

Institute of Preparatory for Engineering Studies, Tunis
Maths- Physics

Sept 2009 to Jun 2011

Languages

Arabic, English, French

Hobbies

Tennis, Padel, Ping Pong, Running, Coding, Piano

Awards

Best Final Year Project, National Engineering School of Tunis

Jun 2014

TOP 10% in National and Regional, ACM International Collegiate Programming Contest

Nov 2013

1st Prize Tunisia JUG Day '14, Java User Group community

May 2014

Licenses & Certifications

AWS Cloud Practitioner, Amazon Web Services

IELTS, British Council

CCNA, Cisco