



# Mustapha Zouari

Software Architect - Senior Software Engineer

## Professional Summary

Experienced Software Engineer with 6+ years in developing and designing scalable healthcare applications at Dedalus. Strong background in architecture modernization, CI/CD automation, and distributed team collaboration. Passionate about clean code, performance optimization, and mentoring teams to deliver reliable, maintainable software.

## Professional Experience

- **2025 - Present Senior Software Engineer** at Dedalus, Prescription Instruction Team
  - Joined an underperforming team as technical expert to resolve regression issues and backlog delays
  - Established test frameworks and integration pipeline with end-to-end testing to detect regressions early
  - Virtualized application servers to optimize CI processes and resource consumption
  - Conducted technical audits and implemented sustainable improvements to development workflows
- Keywords:** [Playwright](#) [GitHub Actions](#) [Docker](#) [Test Automation](#)
- **2024 - 2025 Technical Lead** at Dedalus, Medication Data Management (MDM) Team
  - Guided new team in India through migration to microservice architecture
  - Established technical framework, CI pipeline, and development best practices
  - Coordinated between teams to ensure smooth migration of product database synchronization services
  - Conducted regular code quality reviews and mentoring sessions to improve team performance
- Keywords:** [Quarkus](#) [Leadership](#) [Mentoring](#) [Monitoring](#)
- **2022 - 2024 Application Architect** at Dedalus, Drug Data Management (DDM) Team
  - Led complex technical challenges and created proofs of concept for new initiatives
  - Designed migration strategy from monolithic to modular architecture
  - Conducted on-site performance analysis at client locations to resolve critical bottlenecks
  - Established technical retrospectives and served as primary technical contact for cross-team integration
- Keywords:** [Clean Code](#) [Software Design](#) [BDD](#)
- **2019 - 2022 Software Development Engineer** at Dedalus, Drug Data Management Team
  - Developed RESTful APIs and user interfaces for pharmaceutical data management
  - Implemented synchronization between hospital information system (ORBIS) and scientific databases
  - Created technical specifications focusing on performance and usability
  - Implemented automated testing strategies in an Agile environment
- Keywords:** [JavaEE](#) [Angular](#) [Oracle SQL](#) [Selenium](#) [Cucumber](#)

## Education

- **2017 - 2019** Computer Science Engineering, ENSEIRB-MATMECA, Bordeaux, France  
Double Degree, Software Engineering
- **2015 - 2017** Computer Science Engineering, ENSI, Mannouba, Tunisia

## Languages & Interests

**Languages:** Arabic (Native), French (Bilingual), English (Professional)      **Interests:** Sport, Culture, Reading

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