



# Mustapha Zouari

Software Architect - Senior Software Engineer

## Professional Summary

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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

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- **2026 - Present System Architect** at Dedalus, Medication Architecture Team
  - Contributing to the strategic migration of Medication legacy system to modern microservices architecture
  - Architected new modular system design ensuring seamless integration with existing infrastructure
  - Established and defined test strategy including automated testing frameworks for migration validation

**Keywords:** [Playwright](#) [GitHub Actions](#) [Docker](#) [Test Automation](#)

- **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

**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
  - 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
  - Lead 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

**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
  - Implemented automated testing strategies in an Agile environment

**Keywords:** [JavaEE](#) [Angular](#) [Oracle SQL](#) [Selenium](#) [Cucumber](#)

## Education

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

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