

SMATI Mohamed Salah Eddine

Software Engineer / QA Automation Engineer

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📍 Algiers, Algeria 🔗 [linkedin.com/in/smati-salah-eddine](https://www.linkedin.com/in/smati-salah-eddine)



Summary

Senior Full-Stack Software Engineer with proven experience designing and delivering enterprise-grade banking solutions in highly regulated environments. **Successfully led the development of mission-critical applications deployed nationwide**, combining strong technical expertise with a **focus on software quality, performance, and business value**. Experienced in mentoring junior developers, collaborating with cross-functional teams, and driving projects from concept to production. **Currently pursuing an MBA in Management Information Systems** to further strengthen technical leadership and strategic decision-making skills.

Professional Experience

Gulf Bank Algeria (AGB) 🔗

QA Automation Engineer

04/2025 – Present
Algiers

- Lead the QA strategy for mission-critical banking applications, defining testing standards and quality governance.
- Designed and implemented end-to-end automated testing for web, desktop, API, and performance testing using Selenium, FlaUI, Postman, and JMeter.
- Reduced manual testing effort by over 80% through automation and CI/CD integration.
- Collaborated closely with development teams to identify regressions early and improve release quality.
- Integrated SonarQube into development pipelines to enforce code quality and security standards.

Banque de Développement Local (BDL) 🔗

Full-Stack Software Engineer

10/2023 – 04/2025
Algiers

- Designed and developed enterprise banking applications supporting nationwide operations.
- Delivered a Tourist Allocation Management System deployed across 177 branches, ensuring regulatory compliance from launch.
- Developed secure SWIFT/ARTS integration for real-time interbank settlement processing.
- Designed and implemented internal platforms for expense management and pre-domiciliation workflows.
- Collaborated with business stakeholders to translate functional requirements into scalable technical solutions.

Education

MBA – Management Information Systems

2026 – Present

Higher Institute of Management and Planning, Algiers

Algiers

- IT Governance & IT Service Management
- Digital Transformation
- Enterprise Architecture (TOGAF)
- Data Management & Analytics
- ERP & Operational Information Systems
- Business Intelligence & Data Warehousing
- Information Systems Audit & Compliance
- Cybersecurity Risk & Business Continuity
- Agile Project Management
- Leadership & Change Management
- Innovation & Design Thinking
- Strategic Information Systems Planning
- COBIT Framework

Master's Degree – Computer Science & Artificial Intelligence

2016 – 2021

Ferhat Abbas University, Sétif

Setif

- Built on a Bachelor's degree in Computer Information Systems (2016–2019).
- Specialized in Artificial Intelligence, Software Engineering, Advanced Algorithms, and Intelligent Systems.
- Developed strong analytical, problem-solving, and software design skills.
- Completed advanced coursework in machine learning, databases, distributed systems, and application development.

Value Proposition

- Bridging technology and business objectives through IT governance, strategic information systems planning, and strong Business–IT alignment.
- Driving digital transformation initiatives by combining technical expertise with enterprise architecture principles (TOGAF) and operational information systems knowledge.
- Improving decision-making through data management, analytics, business intelligence, and data-driven approaches.
- Enhancing software delivery and operational efficiency through Agile project management, DevOps practices, and continuous improvement methodologies.
- Strengthening IT reliability and compliance through information systems audit, risk management, cybersecurity awareness, and business continuity practices.
- Supporting organizational growth through leadership, change management, innovation, and design thinking approaches.
- Improving engineering quality through automated QA pipelines, code quality practices, and scalable technical solutions.

Skills

- **IT Strategy & Governance:** IT Governance & IT Service Management (ITSM) | Strategic Information Systems Planning | COBIT Framework | Information Systems Audit & Compliance | IT Risk Management & Business Continuity
- **Digital Transformation & Enterprise Architecture:** Digital Transformation Strategy | Enterprise Architecture (TOGAF) | Business-IT Alignment | Process Optimization | Operational Information Systems (ERP)
- **Data & Business Intelligence:** Data Management | Data Analytics | Business Intelligence (BI) | Data Warehousing | Data-Driven Decision Making
- **Project & Change Management:** Agile Project Management | Change Management | Leadership & Team Development | Stakeholder Management | Innovation & Design Thinking
- **Software Engineering & Quality:** Software Development Lifecycle (SDLC) | CI/CD Practices | DevOps Culture & Automation | Automated Testing (UI, API, Performance) | Code Quality & Continuous Improvement | Code Review Practices | SonarQube
- **Technical & System Expertise:** Application Architecture | Scalable System Design | Performance Optimization | Critical System Reliability | API Design & Integration | Production Support & Incident Reduction
- **Programming & Frameworks:** C# | .NET | ASP.NET Core | REST APIs | Java | ReactJS | NextJS
- **Software Architecture:** Microservices | Monolithic Architecture | MVC | MVVM | SOLID Principles | Clean Architecture | Design Patterns
- **DevOps & Cloud:** Azure DevOps | CI/CD | Docker | Jenkins | Git
- **Quality Engineering:** Selenium | Postman | JMeter | FlaUI | Playwright | SonarQube | Test Automation
- **Databases:** SQL Server | Oracle Database | MySQL | PostgreSQL