

# Youssef Brahem

## Senior Backend Engineer



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### PERSONAL STATEMENT

Senior Backend Engineer with 5+ years of experience delivering mission-critical banking solutions for mobile and digital channels. Proven expertise in backend development using Java and Spring Boot, RESTful API design, and secure system integration, with hands-on experience in OAuth2, Keycloak, and token lifecycle management. Strong background in transaction processing, third-party integrations, and high-volume financial systems, with a focus on clean architecture, design patterns, and performance optimization. Experienced in translating business and regulatory requirements into reliable, scalable backend services, and currently contributing to a large-scale mobile banking platform serving users across the GCC region.

### PROFESSIONAL EXPERIENCE

05/2024 – Present  
Doha, Qatar

#### Senior Backend Engineer / Banking Consultant,

*Proxym Qatar (Client: Qatar International Islamic Bank)*

- Design, develop, and maintain backend services for a large-scale mobile and digital banking platform used by customers across the GCC region.
- Lead the implementation of new banking features in close collaboration with business development and product teams, translating business requirements into production-ready backend solutions.
- Deliver and integrate regulatory and payment initiatives mandated by Qatar Central Bank (QCB), including **Fawran real-time payments**, finance rescheduling, and card/payment innovations.
- Implement and integrate third-party payment solutions such as **Google Pay, Samsung Pay, and Visa Click to Pay**, ensuring secure authentication, compliance, and high availability.
- Build and expose secure RESTful APIs using **Java and Spring Boot**, with a strong focus on transaction integrity, performance, and scalability.
- Contribute to system design decisions, clean architecture, and best practices for maintainable and extensible backend systems.
- Work directly with bank stakeholders and technical teams in an on-site consulting capacity, supporting delivery, testing, and production rollout of critical banking features.
- Contributed to features used daily by thousands of customers in production banking environments.

09/2019 – 05/2024  
Tunisia

#### Java Software Engineer, Proxym Group

- Contributed to the design and development of core backend services for a large-scale mobile and internet banking platform, supporting critical customer and transaction workflows.
- Developed and maintained secure, scalable RESTful APIs using **Java and Spring Boot**, adhering to clean architecture principles and industry best practices.

- Implemented complex business logic for banking features including transfers, certificates, authentication flows, and customer account services.
- Integrated backend systems with multiple internal and external services, ensuring reliability, fault tolerance, and consistent data handling across systems.
- Worked closely with QA, frontend, and product teams to deliver high-quality features across multiple release cycles.
- Improved code quality and maintainability through refactoring, reuse of common components, and consistent application of design patterns.
- Supported production environments by analyzing issues, fixing defects, and ensuring system stability in transaction-critical scenarios.

## SKILLS

**Backend & Core Technologies** — Backend Development (Java) | Spring Boot, Spring Framework (Spring Data, Spring Security, Spring Batch) | RESTful API Design & Integration | Object-Oriented Programming (OOP) | Hibernate, JPA

**Security & Identity** — OAuth2, OpenID Connect | Keycloak | Token-based Authentication & Authorization

**Databases** — SQL (PostgreSQL, Oracle, Microsoft SQL Server)

**Testing & Quality** — Unit & Integration Testing (JUnit, MockMvc)

**Build & Version Control** — Maven | Git (GitLab, GitHub)

**Architecture & Engineering Practices** — Clean Architecture | Design Patterns | Transaction Management | Performance Optimization

**Delivery & Collaboration** — Agile / Scrum | Cross-functional Collaboration

## EDUCATION

2022	<b>National Diploma in Software Engineering,</b> <i>International Multidisciplinary School</i>
2019	<b>Licentiate Degree in Computer Sciences,</b> <i>University of Sousse - Higher Institute of Applied Science and Technology of Sousse</i>
2016	<b>Bachelor of Computer Science,</b> <i>Othman Chatti High School</i>

## LANGUAGES

English

French

Arabic

## PROJECTS

01/2022 – present	<b>Qatar International Islamic Bank (QIIB),</b> <i>Backend Engineer – Digital Banking Platform</i> <ul style="list-style-type: none"> <li>- Backend development for mobile &amp; web banking platform</li> <li>- Third-party payment integrations</li> <li>- Database migration using Spring Batch</li> <li>- Secure API development and production support</li> </ul>
09/2019 – 12/2021	<b>Al-Baraka Bank, Backend Engineer – Mobile Banking</b> <a href="#">🔗</a> <ul style="list-style-type: none"> <li>- Core banking API development</li> <li>- National &amp; international transfer services</li> <li>- Secure backend integrations</li> </ul>