

# RAMZI BOUZAIENE

Sousse, Tunisia

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## Professional Summary

Full Stack Software Engineer with 4+ years of experience, specializing in backend architecture for enterprise banking solutions serving 1M+ users. Expert in designing and deploying Java/Spring Boot microservices with 99.9% uptime and zero security incidents across mission-critical financial platforms. Proven track record in managing complex backend integrations including custom Keycloak SPI implementations, SOAP-based authentication services, and BPMN workflow automation. Strong full stack capabilities with modern frontend technologies (React, Angular) complementing deep backend expertise.

## Technical Skills

**Expert:** Java, Spring Boot, Spring Security, RESTful APIs, PostgreSQL, Docker, Git, Microservices Architecture

**Proficient:** React.js, Spring Cloud, JavaScript, TypeScript, Kubernetes, MongoDB, Kafka, CI/CD (GitLab)

**Familiar:** Angular, Node.js, GraphQL, MySQL, Redis, BPMN (Flowable), Apache Camel, Keycloak

**Tools & Platforms:** APISIX Gateway, Liquibase, JUnit, Mockito, Jest, Argo CD, SOAP, PrimeFaces

## Professional Experience

### Backend Engineer

Sept 2023 – Present

*Proxym-Group*

*Sousse, Tunisia*

- Designed and developed scalable Java and Spring Boot backend services for enterprise banking platforms serving over 1M active users.
- Enhanced authentication reliability and system security by implementing a custom Keycloak SPI integrated with SOAP-based Vasco authentication services, securing sensitive data for 1M+ users
- Developed a comprehensive back-office management system using JSP and PrimeFaces, reducing administrative processing time by 50% and streamlining customer request handling
- Delivered a full-featured retail banking platform supporting account management, card services, transfers, currency exchange, and bill payments with zero production security incidents
- Automated complex business workflows using BPMN and the Flowable engine, eliminating hours of manual processing per month
- Collaborated within Agile/Scrum teams of 12+ engineers, product managers, and business analysts to deliver high-quality features on schedule
- Mentored junior developers and interns, enforcing code review standards and best practices that reduced production defects and improved code maintainability

### Frontend Developer

Jan 2023 – Aug 2023

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*Sousse, Tunisia*

- Developed a reusable React component library adopted across 5+ applications, improving UI consistency and accelerating feature delivery
- Optimized real-time video streaming performance, reducing end-to-end latency for a conferencing platform supporting 500+ concurrent users
- Implemented comprehensive unit testing using Jest and React Testing Library, improving code reliability and reducing production issues
- Migrated legacy REST APIs to GraphQL, reducing redundant network calls and improving application responsiveness
- Delivered a custom Vue.js interactive video player with advanced playback features, increasing user engagement and receiving positive feedback from 200+ beta users

### Frontend Developer

July 2022 – Dec 2022

*Siyou Technology*

*Sousse, Tunisia*

- Built and maintained a large-scale B2S2C e-commerce platform using Angular for 50+ business clients
- Improved application stability by diagnosing and resolving critical performance bottlenecks, significantly reducing system downtime
- Developed a scalable B2B platform using React, TypeScript, and Ant Design, improving page load times and enhancing the user experience for enterprise customers

## Key Projects

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### **UBank – API Gateway for Real-Time Payments** | *APISIX, RTP/FedNow, Fiserv, Lua*

- Designed and implemented an APISIX-based backend API Gateway for real-time communication between banking systems and external partners
- Integrated RTP/FedNow payments via Fiserv Payments Exchange, enabling scalable real-time money transfer services
- Implemented routing, access control, and traffic management to support reliable and secure partner integrations

### **BNA Bank Authentication System** | *Java, Keycloak SPI, SOAP, GitLab CI/CD*

- Built a Java backend module using a custom Keycloak SPI to extend authentication and validation within an existing banking system
- Integrated with Vasco identity services via SOAP, supporting legacy user authentication and ensuring system reliability
- Implemented backend authentication flows, automated tests, and production deployment processes with GitLab CI/CD

### **CORIS Bank Retail Platform** | *Java, Spring Boot, JSF, PostgreSQL, Liquibase, BPMN, Flowable*

- Developed scalable backend services for a retail banking platform handling accounts, cards, transfers, currency, and billers using Spring Boot
- Implemented logging, audit trails, and integration with external REST APIs to support production readiness and maintainability
- Participated in UAT, deployments, and technical validation with client teams to ensure smooth production operations

### **BICICI Digital Platform** | *Java, Spring Boot, BPMN, Flowable, PostgreSQL*

- Developed Spring Boot backend services for workflow automation of customer service and back-office operations
- Integrated Flowable BPMN processes to digitize service requests and approval workflows, improving operational efficiency
- Collaborated with analysts to translate manual processes into maintainable backend workflows and ensured system reliability in production

## Education

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### **EPI – International Multidisciplinary School**

*Engineer's Degree in Software Engineering — Evening Program*

**Sousse, Tunisia**

*September 2023 – June 2026*

### **Higher Institute of Applied Science and Technology (ISSAT Sousse)**

*Bachelor's Degree in Software Engineering*

**Sousse, Tunisia**

*September 2019 – June 2022*

## Languages

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**Arabic:** Native | **English:** Professional working proficiency | **French:** Professional working proficiency