# Ramzi Bouzaiene

Portfolio

GitHub Account

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LinkedIn Account

## SUMMARY

As a Full Stack Software Engineer with +3 years of experience, I design, develop, and optimize web applications from architecture to deployment. I write clean, scalable code to ensure high performance and a seamless user experience. Passionate about problem-solving and continuous learning, I thrive on tackling complex challenges and building efficient, innovative solutions. I actively explore new technologies through side projects, refining my skills and staying ahead of industry trends. With keen attention to detail and a commitment to best practices, I deliver robust, scalable solutions aligned with business goals and industry standards.

## WORK EXPERIENCE

- **Proxym-Group**                                      Tunisia, Sousse
  *Backend Engineer*                                    *Sept 2023 - Present*
  - Built scalable Java/Spring Boot backends for banking applications, serving 1M+ users with 99.9% uptime and 30% faster APIs.
  - Architected and implemented secure backend infrastructures for retail and corporate banking, enhancing data integrity and access control.
  - Developed and maintained a JSP/PrimeFaces-based back-office system, streamlining administrative operations for bank management.
  - Contributed to mission-critical banking applications, supporting millions of users with secure and efficient financial services.
  - Designed and optimized business processes using BPMN and Flowable, improving workflow automation and operational efficiency.
  - Built a Java-based authentication system integrating a customized Keycloak SPI and SOAP communication with Vasco, strengthening security and user authentication.
  - Mentored interns by providing technical guidance, fostering professional growth, and cultivating best coding practices.

- **Sastec Tn**                                         Tunisia, Sousse
  *Frontend Developer*                                  *Jan 2023 - Aug 2023*
  - Developed 20+ reusable React.js components, cutting development time by 25% across 5+ projects.
  - Optimized real-time streaming apps for live meetings and video services.
  - Maintained projects by adding features, optimizing performance, and fixing bugs.
  - Achieved 95% test coverage with Jest/React Testing Library, cutting production bugs by 40%.
  - Transformed UI/UX designs into responsive, high-performance sites, boosting engagement by 30% and reducing load time.
  - Enhanced skills by adopting best practices and performance optimizations.
  - Managed a Vue.js video player project, adding features and improvements.
  - Migrated projects from REST APIs to GraphQL,reducing API calls and improving data retrieval speed.
  - Diagnosed and resolved production issues, ensuring system stability.

- **Siyou Technology**                                  Tunisia, Sousee
  *Frontend Developer*                                  *July 2022 - Dec 2022*
  - Developed new features and maintained a large B2S2C solution using Angular.
  - Resolved production issues to ensure system stability.
  - Contributed to the development of two Angular projects: B2S (Business to Shop) and S2C (Shop to Customer).
  - Built a new B2B platform using React, TypeScript, and Ant Design.

## Technical Skills

- **Languages**: Java, JavaScript, TypeScript, Go
- **Frontend**: HTML, CSS, React.js, Angular, Vue.js, Redux
- **Backend**: Spring Boot, Node.js, Express.js, Laravel
- **Databases**: MySQL, PostgreSQL, MongoDB
- **DevOps & Tools**: Docker, Kubernetes, Kafka, Git, CI/CD, Argo CD, Jest, JUnit

## Projects

- **UBank Data Warehouse**: Developed a data warehouse for Banking-as-a-Service, centralizing ACH/NACHA, RTP, and FedNow transactions in PostgreSQL. Built a Spring Boot application for parsing and storing structured payment data, with Apache Superset enabling real-time transaction insights.

  **Tech Stack:** SpringBoot, ApacheCamel, ApacheSuperset, Java, PostgreSQL, ACHPayments

- **BNA Bank**: Developed and implemented a Java-based solution for BNA Bank, enhancing authentication, authorization, and validation with a custom Keycloak SPI. Integrated seamlessly with Vasco for SOAP-based user authentication.

  **Tech Stack:** Java, Gitlab, CI/CD, Keycloak, SOAP, SoapUI

- **CORIS Bank Retail**: Developed a scalable and secure banking application using Java Spring Boot, handling millions of users and critical transactions. Built core banking features and a robust back-office system for efficient operations, compliance, and security. Key contributions: Account, Bank, Billers, Cards, Transfers, and Currency Management.

  **Tech Stack:** Java, SpringBoot, REST APIs, JSF, SpringData, PostgreSQL, Keycloak, Liquibase, Agile, Scrum

- **BICICI Bank**: Development and implementation of an application dedicated to customer management (networking, files, supply contracts, agents, etc.) for the International Bank for Commerce and Industry of Ivory Coast.

  **Tech Stack:** Java, SpringBoot, REST APIs, SpringData, PostgreSQL, BPMN, Flowable, Primefaces

- **Custom Video Player Solution**: Developed and customized an interactive video player using Vue.js and Vuex, featuring custom playback controls, interactive subtitles, and adaptive video quality. Designed for a modern, responsive UI with seamless integration across projects.

  **Tech Stack:** HTML5, CSS, JavaScript, TypeScript, VueJS, Vuex

- **WebTv Platform**: Developed multimedia content solutions with React.js, integrating GraphQL for efficient data handling. Optimized performance, built responsive UIs, and enhanced backend integration for video streaming services.

  **Tech Stack:** ReactJS, TypeScript, JavaScript, CSS, ReduxJS, RESTAPIs, GraphQL

- **SIYOU TECHNOLOGY (B2S2C)**: Developed a B2S2C e-commerce platform using Angular, integrating retail, online sales, and logistics. Built responsive UIs, implemented features, integrated APIs, resolved production issues, and contributed to B2S and S2C projects.

  **Tech Stack:** HTML, CSS, SCSS, TypeScript, Angular

- **Spring Boot Microservices**: Developed a microservices-based system using Spring Boot and Spring Cloud. Implemented centralized configuration, service discovery, and API Gateway for efficient routing. Integrated Kafka for event-driven communication and used OpenFeign and RestTemplate for synchronous calls. Deployed services with Kubernetes and containerized them using Jib. GitHub Repository.

  **Tech Stack:** SpringBoot, SpringCloud, Kafka, OpenFeign, RestTemplate, Kubernetes, Jib

- **Apple iPhone 15 Pro Replica**: Built a replica of Apple's iPhone 15 Pro website using React.js and TailwindCSS. Leveraged GSAP for animations and Three.js for interactive 3D models, ensuring a seamless and responsive user experience. Live Demo — GitHub Repository.

  **Tech Stack:** ReactJS, TailwindCSS, GSAP, ThreeJS

## Education

- **EPI - International Multidisciplinary School** — Tunisia, Sousse
  Engineer's degree of software engineering - Evening classes — Sept. 2023

- **Higher Institute of Applied Science and Technology of Sousse (Issat Sousse)** — Tunisia, Sousse
  Bachelor's degree of software engineering — Sept. 2019 – June. 2022