

YOUSSEF ELAOUNY

Rabat-Salé-Zemmour-Zaër

Morocco (Karia Oulad Moussa Salé)

+212 639473411

E-mail : youssef.elaouny1010@gmail.com

## Skills

- **Languages:** French, English, basic knowledge of Spanish
- **Proficient in the following technologies:**
  - JavaScript, TypeScript, React.js, Next.js, NestJS
  - C, C++
  - PostgreSQL
  - Blockchain technology (smart contracts, RabbitMQ)
  - PKI (Public Key Infrastructure) and authentication systems with Keycloak
- **Development Experience:**
  - Backend and Frontend development
  - Database creation and management
  - API creation and management (key generation, revocation, rotation, validation)
  - Writing comprehensive technical documentation

## Work Experience

2024

### Internship - Web Developer

*Nearsecure*

- **Project 1: PKI Architecture and Authentication System**
  - Developed a PKI architecture based on EJBCA for Certificate Authority generation.
  - Integrated Keycloak for secure authentication and authorization.
  - Managed user roles and permissions through Keycloak.
  - Wrote comprehensive documentation for users and developers.
- **Project 2: Blockchain Timestamping System**
  - Developed a backend to communicate with smart contracts for data storage and retrieval on the blockchain.
  - Used RabbitMQ to handle multiple concurrent requests.
  - Created an open API for developers to interact with the blockchain system, including API key management.
  - Developed frontend using Next.js to allow user interaction with the backend.
  - Integrated Swagger for API documentation.

2022-2023

### Project Development - Student

*1337 Coding School, Morocco*

- Built various projects including a **PingPong matchmaking platform** with chat functionality.
- Developed hands-on expertise in **JavaScript, TypeScript, React.js, and NestJS**.
- Worked with **C and C++** in the first year, gaining a solid foundation in these languages.

2022-Present

### Software Development Studies

*1337 Coding School, Morocco*

- Focus on **full-stack web development** and **blockchain technology**.