

ZRIOUAL Othmane

Email: zrioualothmane@gmail.com — Mobile: +212-631-177-777 — LinkedIn: Othmane Zrioual — GitHub: BABAYAGA-5

PROFILE

Second-year engineering student at ENSIAS, specializing in Data Science and Software. Passionate about software development, data analysis, and emerging technologies. Curious, autonomous, and solution-oriented, I seek to contribute to concrete and impactful projects. My goal is to apply my development and data analysis skills in real-world environments to solve complex problems and add value to each project I participate in.

ACADEMIC CAREER

- **National School of Computer Science and Systems Analysis** Rabat, Morocco
Data Science and Software sept. 2023 – Present
- **Lycée Mohammed V** Kénitra, Morocco
Preparatory classes for Math, Physics and Engineering Sciences oct. 2021 – Jul. 2023

PROFESSIONAL EXPERIENCE

- **Onicl** Rabat, Morocco
Web development intern jul. 2024 - aug. 2024
During my internship at ONICL, I conducted a benchmarking exercise to determine the web framework best suited to the organization's needs. I compared Django to other solutions in terms of performance, architecture (MVC), database management, and front-end integration, while developing my analytical skills and my ability to evolve in a professional environment.

CERTIFICATIONS

- **Crash Course on Python** Acquired
Google
- **Java EE with Vaadin, JPA, Microservices, Spring and Maven** Acquired
Udemy
- **Cisco CCNA certification** Acquired
Cisco
- **Global Circles - April 2025 Certificate** Acquired
Soliya

PROJECTS

- **Distributed Microservices DevOps Management with NoSQL Databases:** Benchmarking microservices using SQL and NoSQL to evaluate their performance, scalability, latency, and failure handling.
Technologies used: .NET, CassandraDB, PostgreSQL, Git, Docker, Kubernetes, Grafana k6, Ocelot
- **GreenMeter:** Application to monitor and control home energy consumption.
Technologies used: Firebase, Kotlin, Arduino
- **ParaEnsias:** Club management platform for ENSIAS.
Technologies used: HTML, CSS, JavaScript, Jakarta EE (J2EE), MySQL
- **Doctor app:** Medical appointment management application.
Technologies used: HTML, CSS, JavaScript, Jakarta EE (J2EE), MySQL
- **Bridge:** Company management application.
Technologies used: HTML, CSS, native PHP, JavaScript, MySQL

TECHNOLOGIES AND TOOLS MASTERED

- **Languages:** PHP, Python, JavaScript, C, C++, C#, Kotlin, SQL, NoSQL, Java, XML
- **Technologies:** Spring boot, React, Laravel ,Jakarta EE, MySQL, MongoDB, Pandas, Scikit-learn, Unity, Git, Docker, Kubernetes

LANGUAGES

- **Arabic:** Native Language
- **French:** Fluent (written and spoken)
- **English:** Advanced (written and spoken)