

# EL HASSANI EL ALAOUI MOHAMED

Python Developer · ML Engineer · Cloud & Hosting · Backend (PHP / Node.js)

📍 Rabat, Morocco | +212 663455352 | contact@elalaoui-dev.com | github.com/selalaoui212 | www.elalaoui-dev.com

## PROFESSIONAL SUMMARY

Software Engineer with a Master's degree (Bac+5 / MSc) in Computer Science & Networks Engineering from EMSI Rabat. 3+ years of experience building scalable backend systems, RESTful APIs, ML-powered applications, and cloud-hosted platforms using Python, PHP, Node.js, and Linux environments. Proven ability to deliver end-to-end projects independently. Fluent in English and French. Eager to join an international tech team in Spain.

## PROFESSIONAL EXPERIENCE

### Independent Software Engineer (Freelance)

November 2025 – Present

- Designed and delivered full-stack web applications for clients using Python, PHP, Node.js, and React
- Built and deployed ML models for data analysis, classification, and prediction tasks
- Managed cloud hosting environments (VPS, deployment pipelines, domain/SSL configuration)
- Developed RESTful APIs and integrated third-party services for e-commerce and business platforms

### Web Developer – RabatDev Système Solutions, Rabat

January 2025 – October 2025

- Developed and optimized full-stack web modules (PHP / Node.js / React)
- Designed and integrated RESTful APIs for front-end and back-end communication
- Participated in Agile/Scrum sprints: testing, debugging, and continuous delivery
- Contributed to internal digital tools improving team productivity

### Intern Engineer – Cybersecurity (ML/DL) – Intelcap, Rabat

May 2024 – August 2024

- Built an intelligent cybersecurity detection system using Machine Learning and Deep Learning (Python)
- Implemented real-time fraud detection and anomaly prevention pipelines
- Conducted data preprocessing, feature engineering, and AI model training & evaluation

### Cloud-Based Application Project (PFA) – Teranil Technologies, Tetouan

June 2023 – August 2023

- Developed a cloud-ready web application for managing organized trips (reservations, payments, itineraries)
- Implemented RESTful APIs and designed deployment-oriented architecture for scalability
- Focused on system reliability, cloud hosting configuration, and environment setup

### Web Developer (PFA) – Intelcap, Rabat

June 2022 – December 2022

- Built a comprehensive school management web application (PHP / Node.js)
- Handled registrations, schedules, grades, and internal communication modules

## TECHNICAL SKILLS

Languages	Python, PHP, JavaScript, Node.js, Java, C, C++, JEE
ML & Data	Machine Learning, Deep Learning, Scikit-learn, Pandas, NumPy, Jupyter, model training & deployment
Web & API	NestJS, Spring Boot, React, React Native, RESTful APIs, HTML5, CSS3
Cloud & Hosting	VPS deployment, Linux server admin, CI/CD pipelines, Azure DevOps basics, AWS fundamentals, SSL/domain config
Databases	MySQL, MongoDB, Oracle, PL/SQL, SQL Server
Tools	Git, GitHub, Docker (basics), Jira, Scrum, VS Code, Visual Studio
Security	Ubuntu, Kali Linux, Fedora, IAM, access control, system hardening

## EDUCATION

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<b>Computer Science &amp; Networks Engineering (MIAGE)</b> — EMSI Rabat, Morocco   2017–2024	<b>Bachelor of Science in Physics</b> — Manarat Tafilalt   2017
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*Note: Bac+5 equivalent (EU Master's level) — 7-year engineering programme*

## CERTIFICATIONS

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<b>Machine Learning with Python</b> — IBM	<b>Introduction to DevOps</b> — IBM
<b>React Native</b> — Meta	<b>Fundamentals of Digital Marketing</b> — Google

## LANGUAGES

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<b>Arabic:</b> Native	<b>French:</b> Fluent (C1)	<b>English:</b> Fluent (C1)	<b>Portuguese:</b> Basic (A2)
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## INTERESTS & VOLUNTEERING

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AI & Cybersecurity research, open-source projects, travel, sports | **Volunteer:** Member – Corazon Del Sahara