Ahmed Raji

Rabat, Morocco
Data and Software Engineering
INSEA, Rabat

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 Profil GitHub
 Profil LinkedIn
🌐 Portfolio

FORMATION

- **INSEA, Rabat** *Sep 2023 – Present*
  State Engineering Degree in Data and Software Engineering Rabat, Morocco

- **Faculty of Sciences and Technology, Al Hoceima** *Sep 2021 – 2023*
  *DEUST in Mathematics, Computer Science and Physics — **Honors: Very Good*** Al Hoceima, Morocco

EXPÉRIENCES PROFESSIONNELLES

- **GhaythApp** *Aug 2025 – Oct 2025*
  Full Stack Developer Agadir, Morocco
  – Participated in the development and maintenance of a web platform using Node.js and Express.js
  – Implemented and automated unit and integration tests to ensure code quality
  – Developed new features including online payment management and dashboard enhancements
  – Contributed to CI/CD pipeline setup and automation using GitHub Actions
  – Fixed bugs, optimized MongoDB queries, and improved backend performance
  – Collaborated closely with the team to ensure application security and consistency

- **3D Smart Factory** *Jul 2025 – Aug 2025*
  Data / AI Intern Mohammedia, Morocco
  – Developed a configurable 3D preprocessing pipeline (NIfTI format) using YAML (normalization, filtering, volume preparation)
  – Trained and evaluated a 3D UNet model using PyTorch with automatic metric computation
  – Optimized code structure and dataset organization to improve experiment reproducibility

PROJECTS

- **JobMatch – Intelligent Job Recommendation Platform**
  AI-powered full-stack job–candidate matching system
  – Technologies: FastAPI, Python, PostgreSQL, SQLAlchemy, Next.js, React, TypeScript, Docker
  – Multi-criteria AI-based scoring system for automated job recommendations

- **Odoo ERP Module for Business Travel Management**
  Complete module development with approval workflow
  – Technologies: Odoo, Python (ORM), XML, Docker, PostgreSQL
  – Multi-level approval workflow, automated calculations, notifications, and granular security

- **Real-Time Medical Records Analysis Platform**
  Backend system with real-time notifications
  – Technologies: Spring Boot, Hibernate, MySQL, Kafka, WebSocket, Postman
  – Developed RESTful APIs and integrated Kafka for anomaly-based alerting

- **Data Warehouse for Customer Reviews Analysis in Banking Agencies**
  ETL pipeline and analytical reporting
  – Technologies: PostgreSQL, DBT, Google Maps API, Python
  – Built an automated ETL-driven data warehouse to analyze customer satisfaction insights

COMPÉTENCES TECHNIQUES

ERP: Odoo, SAP
Backend Development: Java (Spring Boot, Hibernate), Node.js (Express), PHP (Symfony), Python (Flask), C/C++, SQL,PLSQL
Frontend Development: HTML5, CSS3 (Bootstrap), JavaScript, React, Next.js
Databases: PostgreSQL, MySQL, Oracle, MongoDB, Redis
DevOps & Testing: Git, GitHub, GitHub Actions, Docker, JUnit, Jest, Mocha, Postman
Data Analysis: Python (NumPy, Pandas, Matplotlib), MATLAB, R, SPSS
Modeling: UML, Merise (Conceptual, Logical, Physical)

CERTIFICATIONS

SAP SuccessFactors HCM Solutions — **SAP**
Database Programming with SQL — **Oracle Academy**