

JIHANE RACHED

Software Engineer

📍 Casablanca
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🔗 jihanerached.github.io/Portfolio/



Recent ENSIAS graduate, passionate about software development and cloud technologies. Currently seeking a full-time position to take on new technical challenges.

🎓 ACADEMIC BACKGROUND

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| 2022-2025 | Engineering in Data Science and IoT (IDSIT) , High National School for Computer Science and Systems Analysis (ENSIAS), Rabat, Morocco. |
| 2020-2022 | Preparatory Classes in Mathematics-Physics (MP) , Errazi Technical High School, El Jadida, Morocco. |
| 2019-2020 | Baccalaureate in Mathematics A (SMA) , with High Honors. |

👜 PROFESSIONAL EXPERIENCE

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| February-August 2025 | Internship (PFE), Deloitte Extended Services, Migration of a microservices application to AWS <ul style="list-style-type: none">➤ Conducted a reverse engineering process on a microservices application to identify business requirements and technical dependencies within a cloud migration scenario.➤ Designed a cloud-native architecture (ECS Fargate, RDS, Amazon MQ, Cloud Map) and automated its deployment and management using Terraform. <div>Migration AWS Terraform Node.js Microservices Infrastructure as Code</div> |
| July-August 2024 | Internship, BANK OF AFRICA - BOA SERVICES INTERNATIONAL, Data flow analysis and optimization for credit management <ul style="list-style-type: none">➤ Analyzed client requirements to understand key indicators (KPIs) used in the debt collection process and the associated calculation scenarios.➤ Prepared data and automated KPI calculations using Python.➤ Designed dashboards in Power BI to present and analyze results. <div>Python Power BI Client Interaction Data Analysis Data Visualization</div> |
| July 2023 | Internship, AKWA GROUP - Maghreb Oxygène, Stock optimization application development <ul style="list-style-type: none">➤ Developed a web application using Angular and Django to digitalize the management of oxygen bottle stocks within the production department.➤ Analyzed business requirements and formalized the specifications to guide the development process. <div>Angular Django REST Framework MySQL</div> |

👜 ACADEMIC PROJECTS

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| PainCare, Design and development of an application for endometriosis patients, <ul style="list-style-type: none">➤ Analyzed requirements and used UML to define application features.➤ Implemented charts to monitor factors affecting pain progression.➤ Set up CI/CD pipelines with Jenkins and Docker to automate testing and deployment. <div>Spring Boot Java UML Jenkins Docker Bootstrap Chart.js</div> | Smart Fridge, IoT and Mobile Project, <ul style="list-style-type: none">➤ Controlled a smart refrigerator remotely through a dedicated mobile application.➤ Captured real-time data from integrated IoT sensors using Firebase.➤ Displayed real-time stock visualizations using MPAndroidChart. <div>Android Studio Java Python Firebase C/C++ Data Visualization</div> |
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☰ SKILLS

Languages and Frameworks	Spring Boot, Django, Python, Java, JavaScript, Node.js, Angular, HTML, CSS, C
Tools and Cloud	AWS, Terraform, Docker, Jenkins, Git, Power BI, Excel
Databases	MySQL, MongoDB, Firebase, PostgreSQL

🔗 LANGUAGES

Arabic	Native language
French	Fluent
English	Advanced level