YOUSSEF BOUHAOUS

Software Engineer | Full-Stack Web Applications | Java, Spring Boot
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PROFESSIONAL SUMMARY

Software Engineer building web applications end to end: RESTful APIs and backend services in Java, responsive React interfaces with Material UI, and deployments on Oracle Cloud Infrastructure with Docker, Kubernetes, and Terraform. Experienced across the full software development lifecycle, from requirements and design through unit testing, CI/CD, and production support. OCI Certified Architect Associate and Generative AI Professional.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, HTML5, CSS3
Backend & Architecture: Spring Boot, FastAPI, RESTful API design, microservices architecture, Kafka, OOP and design patterns, clean code
Frontend & Mobile: React, responsive UI development, Material UI, Bootstrap, Recharts, Ionic
Databases: PostgreSQL, Oracle Database, MongoDB
Cloud & DevOps: Oracle Cloud Infrastructure (OCI), Docker, Kubernetes, Terraform, Jenkins, CI/CD, Linux and shell scripting
Testing & Collaboration: JUnit, Mocha (unit testing), Git and collaborative version-control workflows

PROFESSIONAL EXPERIENCE

Software Engineer **Aug 2025 – Aug 2026**
Oracle – Oracle Analytics Cloud, *Casablanca*, *Morocco*

- Owned the on-demand data-caching component of Oracle Analytics Cloud, used to accelerate customer query performance across the platform's microservices architecture.
- Translated feature and performance requirements into technical specifications, then built the corresponding RESTful APIs and backend services in Java, applying clean code, OOP, and design patterns.
- Built a responsive monitoring UI in React with Material UI, integrated it with REST APIs, and visualized service metrics with Recharts.
- Wrote unit tests with Mocha to validate UI functionality and keep releases reliable.
- Provisioned infrastructure with Terraform, ran the component on Docker and Kubernetes, and resolved production alerts on Oracle Cloud Infrastructure (OCI).
- Collaborated through Git-based version-control workflows, code reviews, and CI/CD pipelines.

Software Engineer Intern **Feb 2025 – Aug 2025**
Oracle – Oracle Analytics Cloud, *Casablanca*, *Morocco*

- Implemented new features and optimizations in a high-performance C++ query-execution engine.
- Diagnosed and fixed bugs found in testing, including result-inconsistency and connection issues.
- Automated environment provisioning and test-query workflows with Python, Bash/Shell, Docker/Podman, and Jenkins on Oracle Linux.

Full Stack Developer Intern Jul 2024 – Aug 2024
Ants Networking, *Casablanca*, *Morocco*

- Developed TechFood, a web application connecting hosts and clients, across a React front end and a Spring Boot/SQL back end.
- Integrated the UI with REST APIs and handled deployment on Google Cloud.

Software Engineer Intern **Aug 2023 – Sep 2023**
Synapse Flow, *Casablanca*, *Morocco*

- Built a microservices-based Business Process Management application: process modeling UI in Angular, workflow engine in Java with Spring Boot.

SELECTED PROJECTS

- **Multi-Service Booking Platform (2024):** Booking platform built with Spring Boot, Spring Data JPA, and Spring Security, with authentication and access management via Keycloak.
- **Java Chat Application (2024):** Chat application using sockets, multithreading, and a Swing UI.
- **C++ Compiler (2024):** Designed and implemented a compiler in C++.

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified Architect Associate
- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional
- Oracle Certified Associate, Java SE 8 Programmer
- Building Scalable Java Microservices with Spring Boot and Spring Cloud – Google Cloud
- Linux Tools for Developers – The Linux Foundation

EDUCATION

Engineering Degree in Computer Science **2022 – 2025**
Hassania School of Public Works (EHTP), *Casablanca*, *Morocco*
Preparatory Classes (CPGE) – Mathematics and Physics (MP) **2020 – 2022**

LANGUAGES

Arabic (Native) | English (Professional) | French (Professional)