

MOHAMMED BOURHYM

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 MOHAMMED BOURHYM  bourhym.me

Software Engineer at ENSET seeking a PFE Internship (4–6 months starting February). Skilled in Cloud (AWS), DevOps and Web Development.

EDUCATION

Ecole Normale Supérieure de l'Enseignement Technique (ENSET)	2023 – Present
Cycle d'ingénieur en Génie du Logiciel et des Systèmes Informatiques Distribués	Mohammedia, Morocco
Faculté des sciences, Université Abdelmalek Essaâdi	2021 – 2023
DEUG Computer and Mathematic Science (SMI)	Tétouan, Morocco

EXPERIENCE

Web Developer Internship	July 2025 – September 2025
IT Access	Tangier, Morocco
<ul style="list-style-type: none">Built a maintenance ticket management application using Angular (front-end) and Spring Boot microservices with Kafka, centralized configuration, Eureka service discovery, and PostgreSQLImplemented real-time features with WebSockets, secure authentication with JWT and role-based access, and integrated Spring AI Agent (Ollama) for intelligent ticket handlingContainerized services with Docker Compose, added mail notifications via Spring Cloud, and prepared deployment on Kubernetes	
Web Developer Internship	July 2024 – August 2024
Foliotech	Tangier, Morocco
<ul style="list-style-type: none">Developed a full-stack employee management web application using Angular (frontend) and Node.js + Supabase (backend), implementing JWT-based role access control with protected RESTful routes	

PROJECTS

CommandBuddy – Cloud-Native GitOps Project Ansible, AWS, Terraform, GitHub Actions, EKS, Docker, Spring Boot, React	
<ul style="list-style-type: none">Built a full-stack application (React, Spring Boot, MongoDB) deployed on AWS EKS using GitOps practices with Terraform and DockerImplemented CI/CD pipelines via GitHub Actions, Helm charts deployments, and integrated Groq LLM API for AI-powered features	
EduN7 – RAG-Powered AI Chatbot React, TailwindCSS, Spring Boot, Java, LangChain4j, Docker, Groq API	

EduN7 – RAG-Powered AI Chatbot React, TailwindCSS, Spring Boot, Java, LangChain4j, Docker, Groq API	
<ul style="list-style-type: none">Developed a document-based Retrieval-Augmented Generation system integrating Groq LLM for contextual responsesBuilt Spring Boot backend (Java 17, LangChain4j) and modern React + TailwindCSS frontend with responsive design	

CapLearn – Interactive Language Learning Platform React, Vite, TailwindCSS, Node.js, Express, Docker, ffmpeg, Groq API	
<ul style="list-style-type: none">Developed interactive language learning platform processing videos with Groq Whisper API for subtitle generation and vocabulary buildingBuilt React + TailwindCSS frontend with synchronized subtitles and Node.js + Express backend containerized with Docker	

TECHNICAL SKILLS

Web Development: HTML, CSS, JavaScript, React, Angular, Spring Boot, Bootstrap, Node.js, TailwindCSS

Programming Languages: Java, JavaScript, C++, Python

Databases: MySQL, MongoDB, PostgreSQL, Redis, Supabase

DevOps & Cloud: Git, Docker, Docker Compose, AWS, Terraform, Ansible, GitHub Actions, Kubernetes (EKS), Bash, Linux

CERTIFICATES & ACTIVITIES

Certificates: AWS Academy Learner Lab, DevOps with Projects, Red Hat System Administration I & II, Python for Data Science and AI

Activities: Core Team Member at Google Developers Group, ENSET PODCAST Editor

Languages: Arabic, French, English