

MOHAMMED BOURHYM

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📄 MOHAMMED BOURHYM

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SUMMARY

I'm Mohammed Bourhym, a passionate software engineering student specializing in DevOps and web development. currently seeking a summer internship to expand my practical experience and contribute to meaningful engineering project.

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 2024 – September 2024

Foliatech

Tangier, Morocco

- Developed a full-stack business administration platform using **Angular** for the frontend and **Node.js** with **Supabase** for the backend
- Implemented employee profile management, activity tracking, and role-based access control with **JWT** authentication and protected RESTful routes

PROJECTS

CommandBuddy – Cloud-Native GitOps Project | *Ansible, AWS, Terraform, GitHub Actions, EKS, Docker, Spring Boot, React*

- Developed a cloud-native GitOps project featuring an AI-powered terminal quiz app to help developers memorize CLI commands interactively
- Built full-stack application with **Spring Boot** backend, **MongoDB** database, and **React** frontend with **TailwindCSS**
- Deployed on **Amazon EKS** using **Terraform** for infrastructure as code and **GitHub Actions** for CI/CD pipeline
- Implemented DevOps best practices with **Ansible** for configuration management and **Docker** containerization
- Integrated **Groq API** for AI-powered interactive learning experiences and command suggestions

EduN7 – RAG-Powered AI Chatbot | *React, TailwindCSS, Spring Boot, Java, LangChain4j, Elasticsearch, Docker, Groq API*

- Built a Retrieval-Augmented Generation (RAG) chatbot with document upload capabilities and intelligent question-answering
- Implemented **Elasticsearch** vector search for semantic document retrieval and contextual AI responses
- Developed **Spring Boot** backend with **LangChain4j** integration and modern **React** frontend with **TailwindCSS**
- Containerized application using **Docker** and integrated **Groq API** for high-performance language model responses

CapLearn – Interactive Language Learning Platform | *React, Vite, TailwindCSS, Node.js, Express, Docker, ffmpeg, Groq API*

- Created an interactive language learning platform using video subtitles from YouTube or local video uploads
- Implemented word-level timestamps, vocabulary tracking, and intelligent subtitle parsing for enhanced learning experience
- Built with **React (Vite)** and **TailwindCSS** frontend, **Node.js Express** backend with **ffmpeg** for video processing
- Integrated **Groq's Whisper API** for accurate speech-to-text conversion and containerized with **Docker**

TECHNICAL SKILLS

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

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

Databases: MySQL, MongoDB, PostgreSQL, Redis, Supabase, Elasticsearch

DevOps & Cloud: Git, Docker, Docker Compose, AWS (EC2, S3, Lambda), Terraform, Ansible, GitHub Actions, Kubernetes (EKS)

CERTIFICATES & ACTIVITIES

Certificates: AWS Academy Learner Lab, DevOps Beginners to Advanced with Projects, Red Hat System Administration I & II, Python for Data Science and AI, Angular: The Complete Guide

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

Languages: Arabic, French, English