

Ibrahim El Othmani

Cloud & DevOps Engineer

✉ ibrahimelothmanii@gmail.com ☎ +21624947622 📍 Nabeul, Tunisia 🔗 <https://ibrahimelothmani.vercel.app>
🐙 github.com/ibrahimelothmani 🌐 [linkedin.com/in/ibrahimelothmani](https://www.linkedin.com/in/ibrahimelothmani)

Professional Experience

Cloud & DevOps Engineer Upwork, Freelance	Mar 2025 – Present Nabeul, Tunisia
<ul style="list-style-type: none">Designed and implemented CI/CD pipelines using Jenkins and GitHub Actions for automated testing and deploymentManaged cloud infrastructure on AWS and Azure using Infrastructure as Code (Terraform) and configuration management (Ansible)Containerized applications using Docker and orchestrated with Kubernetes for improved scalability and resource utilizationImplemented monitoring and logging solutions using Prometheus, Grafana, and ELK stack for enhanced system observability	
Full Stack Developer IBH Ibn Alhaytham, Internship	Aug 2024 – Oct 2024 Kelibia, Tunisia
<ul style="list-style-type: none">Developed a comprehensive platform using Spring Boot for the backend and Angular for the frontendDesigned and implemented RESTful APIs to facilitate seamless communication between client and serverCreated a responsive user interface that significantly improved user experience and engagementCollaborated with team members to gather requirements and iterated on features based on feedback	

Projects

AI-Powered Cybersecurity Threat Detection System
<ul style="list-style-type: none">Designed and implemented a real-time cybersecurity threat detection system that analyzes network traffic and system logs to identify and mitigate security threatsDeveloped machine learning models using TensorFlow to classify malicious network activity and detect anomalous behavior patternsBuilt automated threat response mechanisms to enable rapid mitigation of identified security incidentsProcessed and analyzed large-scale network data streams for pattern recognition and threat intelligenceTechnologies: Python, TensorFlow, React, Network packet analysis, Github Actions, Docker, Kubernetes, Terraform, Ansible, Grafana, Prometheus.
Multi-Modal AI Agent Platform with RAG Integration
<ul style="list-style-type: none">Developed an advanced multi-modal AI agent platform combining Retrieval-Augmented Generation (RAG) to process and analyze text, images, audio, and video content simultaneouslyImplemented intelligent document processing pipeline using vector databases for efficient semantic search and context-aware response generationBuilt autonomous AI agents capable of cross-modal reasoning with natural language understanding and generation capabilitiesIntegrated large language models with custom embedding models for enhanced contextual understanding and information retrievalTechnologies: Spring boot, Angular, LangChain, OpenAI GPT/Claude API, Hugging Face Transformers, LlamaIndex, OpenAI Embeddings, Sentence-Transformers, PostgreSQL with pgvector.
Online Shopping Application
<ul style="list-style-type: none">Developed a scalable e-commerce platform using microservices architecture with Spring Boot and Spring Cloud for service discovery, load balancing, and distributed configuration managementBuilt responsive frontend interface using Angular with TypeScript for seamless user experience across product browsing, cart management, and checkout processesImplemented containerized deployment using Docker and orchestrated services with Kubernetes for high availability and auto-scalingEstablished comprehensive monitoring and observability stack with Prometheus for metrics collection and Grafana for real-time dashboards and alertingTechnologies: Spring Boot, Spring Cloud (Eureka, Gateway, Config Server), Angular, Docker, Docker Compose, Kubernetes (K8s), Prometheus, Grafana.
Job Search Platform
<ul style="list-style-type: none">Developed a full-stack web application to help users find and apply for job opportunities.Implemented job search, filtering, and bookmarking features to enhance user experience.Built user authentication using JWT for secure login and account management.Technologies: Angular, Spring boot, JWT, Kubernetes, Terraform, Ansible, Prometheus, Grafana

Skills

Programming: Java, JavaScript, TypeScript, Python, Php, Golang

Frameworks: Angular, React, Spring Boot, Laravel, Fast API

APIs: RESTful APIs, GraphQL

Databases: PostgreSQL, MySQL, MongoDB, Redis

DevOps: Git, Docker, Kubernetes, GitHub Actions, Terraform, Ansible, Jenkins, AWS (EKS, S3, RDS, ElastiCache), Prometheus, Grafana

Certificates

- Oracle AI Vector Search Professional - Oracle
- JavaScript Algorithms and Data Structures - freeCodeCamp
- Fundamentals of Engineering Exam Review - Georgia Institute of Technology

Education

Full Stack Development Bootcamp 2i Formation	Sep 2023 – Apr 2024 Sousse, Tunisia
Bachelor of Civil Engineering Higher Institute of Technological Studies	Sep 2017 – Aug 2020 Nabeul, Tunisia

Languages

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| • Arabic (Native/C2 - Proficient) | • English (B2 - Upper Intermediate) | • French (B2 - Upper Intermediate) |
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