Ibrahim El Othmani

Cloud & DevOps Engineer

✉ ibrahimelothmanii@gmail.com   📞 +21624947622   📍 Nabeul, Tunisia   🔗 https://ibrahimelothmani.vercel.app

○ github.com/ibrahimelothmani   in linkedin.com/in/ibrahimelothmani

Professional Experience

Cloud & DevOps Engineer   Mar 2025 – Present | Nabeul, Tunisia
Upwork, Freelance

- Designed and implemented CI/CD pipelines using Jenkins and GitHub Actions for automated testing and deployment.
- Managed 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 utilization.
- Integrated SonarQube for code quality checks and Trivy for container image scanning.
- Automated tasks with Shell scripting on Linux to reduce manual operations.
- Implemented monitoring and logging solutions using Prometheus, Grafana, and ELK stack for enhanced system observability.

Full Stack Developer   Aug 2024 – Oct 2024 | Kelibia, Tunisia
IBH Ibn Alhaytham, Internship

- Developed a comprehensive platform using Spring Boot for the backend and Angular for the frontend
- Designed and implemented RESTful APIs to facilitate seamless communication between client and server
- Created a responsive user interface that significantly improved user experience and engagement
- Collaborated with team members to gather requirements and iterated on features based on feedback

Projects

Java Application Deployment on Kubernetes

- Containerized a multi-tier Java app with Docker, pushed images to Nexus, and tested using Docker Compose in a Vagrant VM.
- Deployed the app on Kubernetes clusters (AWS Kops & EKS) and managed infrastructure with Terraform.

Technologies: Docker, Docker Compose, Nexus, Kubernetes, AWS Kops, EKS, EC2, IAM, S3, Terraform, Vagrant.

AI-Powered Cybersecurity Threat Detection System

- Designed and implemented a real-time cybersecurity threat detection system that analyzes network traffic and system logs to identify and mitigate security threats
- Developed machine learning models using TensorFlow to classify malicious network activity and detect anomalous behavior patterns
- Built automated threat response mechanisms to enable rapid mitigation of identified security incidents
- Processed and analyzed large-scale network data streams for pattern recognition and threat intelligence

Technologies: Python, TensorFlow, React, Network packet analysis, Github Actions, Docker, Kubernetes, Terraform, Ansible, Grafana, Prometheus.

Multi-Modal AI Agent Platform with RAG Integration

- Developed an advanced multi-modal AI agent platform combining Retrieval-Augmented Generation (RAG) to process and analyze text, images, audio, and video content simultaneously
- Implemented intelligent document processing pipeline using vector databases for efficient semantic search and context-aware response generation
- Built autonomous AI agents capable of cross-modal reasoning with natural language understanding and generation capabilities
- Integrated large language models with custom embedding models for enhanced contextual understanding and information retrieval

Technologies: Spring boot, Angular, LangChain, OpenAI GPT/Claude API, Hugging Face Transformers, LlamaIndex, OpenAI Embeddings, Sentence-Transformers, PostgreSQL with pgvector.

Online Shopping Application

- Developed a scalable e-commerce platform using microservices architecture with Spring Boot and Spring Cloud for service discovery, load balancing, and distributed configuration management
- Built responsive frontend interface using Angular with TypeScript for seamless user experience across product browsing, cart management, and checkout processes
- Implemented containerized deployment using Docker and orchestrated services with Kubernetes for high availability and auto-scaling
- Established comprehensive monitoring and observability stack with Prometheus for metrics collection and Grafana for real-time dashboards and alerting

Technologies: Spring Boot, Spring Cloud (Eureka, Gateway, Config Server), Angular, Docker, Docker Compose, Kubernetes (K8s), 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   Sep 2023 – Apr 2024 | Sousse, Tunisia
2i Formation

Bachelor of Civil Engineering   Sep 2017 – Aug 2020 | Nabeul, Tunisia
Higher Institute of Technological Studies

Languages

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