OUSSAMA BOSRI

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Software Engineer | DevOps Engineer

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WORK EXPERIENCE

Software Engineer | DevOps Engineer   01/2022-until now
Economic Authority for Electronic Certification (AECE)

- **E-Signature Platform Development:**
  Developed an e-signature platform using ReactJS, facilitating the sale of digital certificates with SATIM payment gateway integration for secure transactions.
- **Monitoring Web Application Development:**
  Created a monitoring web application using the MERN stack (MongoDB, Express, React, Node) and REST API to supervise and monitor PKI infrastructure systems, including OCSP Service, CRL, and related websites.
  Implemented real-time notifications via email and SMS to alert users of critical events and provide statistics.
- **Appointment Web Application Development:**

  Designed and developed an appointment web application using the MERN stack (ReactJS, NodeJS, and NoSQL MongoDB).

- **System Administrator:** Administrating Databases, Backups and Systems, deploying Web Applications for PKI infrastructure.

Software Engineer   01/2020-01/2022
Ministry of the Mujahideen and Rights Holders

- Developed a website for the ministry using WordPress CMS and MySQL DB, deployed to shared hosting.

- Built a web scraper using Node.js to collect data from the ministry's old static website. Stored gathered data in a MySQL database and exported it to an Excel file for archival

- Created a rest centers management system for the ministry using Laravel and MySQL.

- Designed and developed an invoice management system using Dot NET 5 MVC, Bootstrap, Microsoft SQL Server, deployed to IIS Server.

  Projects:
- End-to-End DevOps Project (Node.js & Postgres).
- End-to-End DevOps Project (Go & MongoDB).
- Create and Deployed a website using angular , NodeJS ,Docker, GCP Artifact Registry, and GitHub Actions for automated CI/CD pipelines.
- Created Portfolio using ReactJS and Tailwind, automated deployment using GitHub Actions.
- Full Stack E-Commerce: Developed with Next.js, integrated GitHub Actions for CI/CD automation.
- Created an e-commerce website using Laravel and PayPal payment.

Certifications & Training

- **Mars 2023:** Implementing a SQL Data Warehouse for **10 Days (**Ibn Rochd).

- **Jan 2021** Database and web applications Security for **07 days** (ESI).

- **July 2020:** Management of a Datacenter with HyperV and a System Center **for 4 Days** (SOFIM).

- **Feb 2018:** CISCO CCNA2, CCNA1 for **02 months** (NetAcad-INSFP Tiaret, Algeria).

Level of Education & Diplomas

July 2018: Master's degree in Computer Science, option: Networks and Telecommunications.
   - University: Ibn Khaldoun, Tiaret, Algeria.

July 2016: Bachelor's degree in Computer Science, option: Computer System
   - University: Ibn Khaldoun, Tiaret, Algeria.

Technical Skills

Web Development:

Frontend: ReactJS, MUI, Angular, Tailwind CSS, Bootstrap CSS, with experience in creating dynamic and responsive user interfaces.

Backend: Skilled in NodeJS, Laravel , with a strong focus on developing secure and efficient applications.

CMS: Experienced in building and customizing websites using WordPress.

DevOps & Cloud :

CI/CD : GitHub Actions, Jenkins

Containers: Docker, Kubernetes

IaC: Terraform, Ansible (familiar)

Cloud Platforms: GCP (Google Cloud), AWS (familiar)

Web servers: NGINX, Microsoft IIS, and Apache.

Database:

Microsoft SQL Server & MySQL, PostgreSQL No SQL Database: MongoDB.

Systems and Networks:

Windows Server and Linux Administration, Active Directory, DNS, Microsoft Exchange, Microsoft System Center.

Databases Administrator, Storage and backup (Dell Networker).

Managing virtual machines with Hyper-V and VMware (HyperV, VMM).

Languages: Arabic (Native), French (Fluent), English (Fluent)