Youssef Mohamed

Software Engineer

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○ Github　⌂ LeetCode

PROFILE

Software Engineer with over 2 years of experience in full-stack development and system administration, specializing in designing and deploying scalable applications using **Django**, **Spring Boot**, and **React**. Demonstrates strong ability to manage backend systems and network infrastructure, effectively bridging software engineering and IT operations to deliver reliable and high-performance solutions.

PROFESSIONAL EXPERIENCE

Freelance Software Developer　　　　　　　　　　　　　　　　　　　　08/2023 – present

- **Green Saudi Mobile Application** 🔗
  - **Tech Stack** : Java Spring Boot , React Admin , Flutter
  - develop REST APIs for a mobile application aimed to combating desertification by enabling users to suggest reforestation locations via an interactive map.
  - develop an admin dashboard supporting multi-role access control
  - Deployed application services on Hostinger VPS using Docker containers, configured Nginx as a reverse proxy, and managed the MySQL database.

- **Trading Education Academy Platform**
  - **Tech Stack** : Django , HTML, CSS and vanila JS
  - develop a web application for a trading education academy, offering personalized dashboards for users to track sales performance, progress, and rankings.
  - Implement a binary tree structure to visualize user and team hierarchies.
  - Deployed on DigitalOccen App platform , postgresql for database management

- **Braille Education Platform** 🔗
  - **Tech Stack** : Django REST Framework and Next.js
  - Built and documented RESTful APIs to support course creation, student enrollment, assessments, and automated certificate generation.
  - Implemented assessment types: **text-to-braille**, **braille-to-text , similar-words**
  - develop the frontend and integrate it with the backend
  - Deployed on Hostinger VPS using Docker, Apache2 for reverse proxy, Celery for task management, MySQL for database management.

Information Technology Engineer at WOTECH　　　　　　　　　　　　　　02/2024 – present

- Managed and maintained network and server infrastructure to ensure high availability, security, and performance.
- Administered storage and backup solutions to protect data integrity.
- Administered **Active Directory**, managing users, groups, permissions, and security policies.

EDUCATION

Bachelor Computing and Data Science, *Alexandria University*　　　09/2019 – 07/2023 | Alexandria, Egypt
CGPA : 3.2

Blind Assistance System (Graduation Project) 🔗　　　　　　　　　　　09/2022 – 06/2023

- Developed a Raspberry Pi-based smart glasses system using computer vision and machine learning for real-time environmental assistance.
- Deployed deep learning models on Raspberry Pi and integrated them with a mobile application for seamless user interaction.

SKILLS

- Languages : Java, Python, JavaScript, SQL, HTML, CSS
- Backend : Django, Flask, Express.js, Java Spring Boot
- Frontend : React.js, Next.js, Tailwind, Bootstrap, Ajax
- Concepts : Data Structure and Algorithms, OOP, REST API, MVC Architecture,
- DevOps : Docker, AWS (EC2), VPS
- Tools : VS Code, NetBeans, Git, GitHub, Postman, Insomia