

# Youssef Mohamed

## Software Engineer

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🔄 Github 🔄 LeetCode 🔄 Portfolio

### 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.
- **LocaLucci Admin Dashboard**
  - **Tech Stack** : Next.js, Tailwind
  - Developed a web-based admin dashboard for the LocaLucci mobile application.
  - Built sales analytics and insights to help admins monitor platform performance.
  - Implemented ad management features to create, update, and control vendor advertisements and promocodes.
  - Integrate the dashboard with backend APIs to fetch, display, and manage real-time data.
- **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, TypeScript, SQL, HTML, CSS
- Backend : Django, Flask, FastApi, 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, Insomnia