

# Youssef Mohamed

Software Engineer

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 Github  LeetCode  Portfolio

## PROFILE

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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

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### 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

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### 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

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- 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