

TURKI AL-QAHTANI

SOFTWARE DEVELOPER

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TECHNICAL SKILLS

Front End | ReactJS, NextJS, TypeScript.

Back End | .NET, NodeJS, Django, PostgreSQL, MongoDB, MySQL, Elastic Search, Redis.

Infrastructure | Microsoft Azure, Docker, Kubernetes.

EXPERIENCES

Full-Stack Software Developer @confidential

Jun 2022-Present

- Developed a comprehensive platform for **analyzing and mapping large documents**, focusing on efficiency and scalability.
- Backend Development**: Created a robust backend server using **.NET & NodeJS** Frameworks, ensuring reliable data processing and management.
- Database Management**:
 - Utilized **Elastic Search** to perform real-time, full-text searches across extensive document sets
 - Employed **MongoDB** to manage dynamic data associated with documents.
 - Leveraged **PostgreSQL for storing UUIDs** of each document and their metadata.
 - Implemented **Redis** for caching the latest viewed documents and their associated data, **enhancing system performance**
- Containerization and Deployment**:
 - Dockerized** the backend API and frontend for consistent and scalable deployment.
 - Deployed the application and related services on a local **Kubernetes cluster** using a private Docker Registry.

PROJECTS

Tadreebi

Aug 2022 - Jun 2023

ReactJS | NodeJS | Python | Docker | PostgreSQL

- Designed and Developed a platform that connects **Saudi Universities with Ministries, Companies and Institutions for COOP Training**. The goal behind this platform is to simplify the process behind the application process
- Tadreebi allows the student to apply to any Institution in the system and for the representative of that institution to view the list of application that have applied and view their profiles
- Tadreebi allows students to apply to any work environment and view the status of their application. The system also provides **interview system** between the student & the representative from the Institution using WebRTC.

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Aug 2022 - Feb 2023

ReactJS | NodeJS | MongoDB | RabbitMQ | MongoDB | Docker & Kubernetes

- Engineered a dynamic microservice platform for online ticket sales, emphasizing reliability and user scalability.
- Established a reliable message queuing system using RabbitMQ, optimizing inter-service communication and ensuring seamless transaction processing.
- Developed a robust and scalable system architecture capable of handling high volumes of simultaneous ticket sales, enhancing the platform's performance during peak demand periods.

EDUCATION

University of imam muhammad ibn saud

- Major: Bachelors of Computer Science with Honors (Jan 2019 - 2023)
- GPA: 4.5

CERTIFICATIONS

- Docker & Kubernetes
- Microservices with .NET and Azure
- Advanced NodeJS with AWS
- Full-Stack Developer bootcamp