MAJD ALKAYYAL

As a dedicated and skilled Software Engineer, I bring a comprehensive blend of practical experience and theoretical knowledge to the table. With a strong background in System Architecture and Data Engineering, I am committed to delivering high-quality results and innovative solutions. My career journey has been marked by a continuous pursuit of learning and excellence, equipping me to effectively contribute to dynamic and challenging environments.

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EDUCATION

M.Sc. Data Engineering and Analytics - Technical University of Munich (TUM) - Munich, Germany

Oct 2022 - PRESENT

- DAAD's Master Studies Scholarship Holder.
- Focusing on
    - System's Architecture and Distributed Systems
    - Data Analytics
    - Natural Language Processing
- Projects:
    - **CreateData4AI**: Developing a web application for domain experts to classify documents using custom classes, utilizing fastAPI, MongoDB, Docker, and NextJS.

B.Sc. Computer Science - German University of Technology - Muscat, Oman

Jun 2017 - Sep 2021

- Oman Educational Services (OES) full scholarship holder
- Holder of the Academic Rector's Medal for batch 2021

Exchange Student - RWTH Aachen University- Aachen, Germany

Apr 2021- Sep 2021

- Authored a thesis titled "Design a Mobile Application to Enhance the Perception of Open Educational Resources," showcasing in-depth research and analysis skills.
- Led the development of 'Open.ER,' a mobile and web application slated for use in German schools and RWTH OER workshops, demonstrating project management and technical capabilities.
- Honored as a DAAD Scholarship recipient, reflecting academic excellence and potential.

EXPERIENCE

Teaching Assistance (Part-time)– TUM - Garching, Germany

Oct 2023 – PRESENT

- Lead exercise sessions for the undergraduate course, "Foundation in Data Engineering."
- Facilitate interactive learning experiences, assisting students in grasping complex data engineering concepts.
- Coordinate with course instructors to ensure alignment of the exercise

SKILLS

Rapid Systems Designing
Leadership
Project Management
Problem-Solving
Quick Learner
Competative Programer

Technology Stack

.NET Framework
SQL/NoSQL Databases
AWS / AZURE
Docker
FastAPI (Python Web Service)
Flutter/ React Native
ReactJS/NextJs
Hugging Face

Programming Languages

C#
Python
C/C++
JS/TS

LANGUAGES

Arabic (Native),
English (Professional)
German (Beginner)

sessions with lecture content.
- Assess and provide constructive feedback on student performance to support continuous learning and improvement.

Full-Stack Developer - PwC - Munich, Germany

APR 2023 – PRESENT

- Function as a Full-Stack Developer in the Business Services Department.
- Manage extensive codebase utilizing ASP.NET Core with Angular.
- Implement robust unit testing and maintain comprehensive documentation.
- Enhance project efficiency and quality, ensuring the delivery of top-tier software solutions.

Project Manager & Senior Full-Stack Developer- TelyPay - Muscat, Oman

Mar 2021 – Mar 2023

- Led the development and implementation of the company's infrastructure and microservices architecture.
- Managed diverse teams of mobile and web developers, ensuring timely project completion.
- Conducted regular training workshops for tools like Git, AWS to enhance team skills.
- Ensured all business requirements are met with strict adherence to quality and time constraints.
- Oversaw the design and building of SQL databases using ASP.NET Core.
- Supported frontend teams in React and Flutter development, ensuring product integration and functionality.
- Maintained robust scheduling and bug resolution processes to uphold product and feature quality.

React Native Developer - Econsor Mobile GmbH - Heilbronn, Germany -

Jun 2021- Feb 2022

- Excelled in developing sophisticated React Native mobile applications.
- Collaborated within a dynamic development team to deliver seamless, robust, and high-functioning mobile applications to meet client specifications and deadlines.
- Employed best practices in React Native development to ensure efficient, scalable, and maintainable codebase.

Research & Teaching Assistance - German University of Technology - Muscat, Oman

Sep 2019 - Mar 2021

- Efficiently explained complex technical lecture materials in courses including Programming Fundamentals, Data Structures, and Efficient Algorithms, enhancing students' academic comprehension.
- Assisted junior computer science students in solving C++ exercises, promoting practical understanding and problem-solving skills.
- Contributed to a project utilizing **YOLOv5** for object classification in developing smart glasses for the visually impaired.
- Played a significant role in designing and developing a project

management application, using AR for construction site issue detection in a research project.

Full-Stack Developer - Webware - Muscat, Oman

Feb 2019 - Aug 2019

- Successfully completed a one-year project-based contract, leading the development and system design of a robust mobile application for Dar Al Atta charity in Oman.
- Demonstrated technical prowess by proficiently utilizing Flutter for mobile app development and ASP.NET Core for backend operations, ensuring seamless integration and functionality.
- Entrusted with comprehensive responsibility for the project, highlighting organizational and technical skills in delivering tailored solutions to meet client needs.

ACTIVITIES

Flutter Instructor - Google Developer Student Club - German University of Technology in Oman - Muscat, Oman

Apr 2022 - May 2022

- Conducted an online Flutter course for the students of the GUtech.