

Khalil Abu Mushref

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❖ Council of Engineers ID: 983904 ❖ Nationality: Jordanian

WORK EXPERIENCE

Cloud Solutions

Sep 2023 - Present

IT Business Analyst— Java/Python/ AI/ Tableau

Riyadh, Saudi Arabia

- **Streamlined Requirements:** Developed a process for gathering business requirements, producing 1,200+ pages of documentation, and cutting project delivery time by 40%.
- **Financial Reporting Enhancement:** Built a Microsoft Power-based framework, boosting metric visibility with 100+ dashboards, including 25+ AI-driven insights for smarter decisions.
- **Employee Training:** Trained 8+ employees in BI systems and created a Business Analyst training program, boosting efficiency

Pixelated

Jan 2021 - Sep 2023

IT Senior Business Analyst & BI Developer— Python/ AI/ Power BI

Amman, Jordan

- **Launched a tailored training program:** for analysts, strengthening team capabilities in BI and operations.
- **Improved data accuracy and consistency:** in reporting by implementing standardized documentation practices.
- **Facilitated regular workshops for stakeholders:** fostering a data-driven culture and enhancing project buy-in.

Virtue

Apr 2022 - Aug 2023

Data Scientist | Software Engineer — Java/ Python/ AI/ TensorFlow

Remote, USA

- **Architected and implemented the back-end services:** using the Java Spring framework, ensuring efficient data processing and secure interactions with the machine learning models.
- **Developed and fine-tuned a machine learning model:** to accurately predict the severity of patient complications based on clinical data, enhancing the decision-making process for healthcare professionals.

Council of Engineers Association

July 2020 - Jan 2021

Data Scientist — Python / AI/ Power BI

Amman, Jordan

- **Visualization and Reporting:** Created visualizations and dashboards that translated complex data into clear, actionable insights, supporting the Council's decision-making processes.
- **Technical Documentation:** Authored detailed technical documentation for data models and algorithms, ensuring reproducibility and knowledge sharing across teams.

Digital Cash.

Jun 2019 - July 2020

Software Data Scientist

Amman, Jordan

- **Software Development:** Built and deployed an app, focusing on RESTful services with Spring Boot in an agile setting.
- **Data Processing:** Developed data pipelines for large datasets, optimizing flow and integration.
- **Data Analysis:** Extracted insights from application data to drive improvements.

NOTABLE PROJECTS

[Business intelligence consultant system \(Yadree\)](#) | Python, Java, AWS, TensorFlow, scikit-learn, PyTorch, Docker 2023

- Deployed and integrated multiple backend systems (Java and Python AI) that successfully communicated via REST APIs and managed database integration with repository patterns.
- Utilized advanced imputation techniques for handling missing values, performed comprehensive data cleaning, trained multiple machine learning models, and implemented model explainability to identify key predictive factors.
- Leveraged ensemble learning techniques, compared model performances, and deployed the optimal model as a service, enabling real-time predictions accessible through API requests.

[KPI on the Fly](#) | Python, Java, AWS, Apache spark, Apache superset, Apache Echarts ,Llama 2.0, PyTorch, ML

2023

- Developed a backend system with robust REST API communication and seamless database integration via repositories.

- Implemented chart generation for non-technical users through SQLFlow, allowing comprehensive database mapping and integration of LLAMA 2.0 for enhanced user experience with large language models.
- Addressed missing data through advanced imputation techniques, executed data cleaning, trained multiple predictive models, and applied explainability methods to highlight significant predictive factors.

SautNote | *Python, Java, AWS, Whisper 3.0, GPT 3.5, ML, Docker, Kubernetes*

2023

- Deployed a backend system with efficient REST API interaction and database integration using repositories.
- Implemented speech-to-text capabilities, utilizing Whisper 3.0 and GPT-3.5 to process audio inputs for streamlined user interaction.
- Managed missing values, conducted thorough data cleaning, trained several models, and applied explainability techniques to clarify influential predictive features.

Virtue | *Spring Boot, Java, Spring Cloud, Git, REST API, Docker*

2022

- Developed a health application to connect patients and therapists, using a hierarchical categorization system based on real-life health professional queries.
- Supported a charitable mission to make mental health care accessible across the Middle East, creating a platform to bridge gaps in mental health support.

EDUCATION

UCSI University

Current

M.S. Business administration (MBA)

Melbourne, Australia

- Specialized in IT to enhance leadership and strategic skills

UCSI University

Current

M.S. Computer Engineering

Kuala Lumpur, Malaysia

- Research in Personalized Oncology: Machine Learning-Driven Predictions of Cancer Treatment Outcomes and Drug Responsiveness

University of Jordan

2020

B.S Computer Engineering | Minor in Machine learning, Minor in Algorithms, Minor in Advanced Databases Amman, Jordan

- Research in Mental health application: Machine Learning-Driven Predictions of Mental health diagnosis & treatment and outcomes

SKILLS

- **Skills:** Solving complex problems; Data science; Root Cause Analysis; Software Engineering; Data Structures; Agile;
- **Languages:** Java; Python; SQL; JavaScript; C++; C#.
- **Technical Skills:** Spring Boot; Docker; AWS; Git; CI/CD; RESTful API; Postman; TensorFlow; Scikit-learn; PyTorch; PySpark; spaCy; NLTK.
- **Certifications:** NVIDIA Accelerated Data Science; Databricks Certified Data Engineer; AWS Solutions Architect; Professional Scrum Master Scrum.Org; Tableau Certified Data Analyst; Alteryx Designer Expert