

Abdullah Binmahfouz

Software Engineering & Data Engineering

CONTACT

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EDUCATION

Bachelor of Computer Information System

Mount Royal University
MAJOR: Computer Science
Minor: Business
(Calgary, Canada)

Software Engineering General Assembly

Completed 480 hours coding bootcamp, resulting in more efficient and elegant solutions to problems by applying fundamental computer science concepts to applications and understand the elements and delivery of a quality investor and business pitch.

Data Engineering Udacity

Design data models, build data warehouse and data lakes, automate data pipelines, and work with massive datasets.

Full Stack Developer Udacity

Design and build database for software applications, create and deploy database-backed web APIs, and access control for an application backed. Finally deploy a Flask-based web application to cloud using Docker and Kubernetes

LANGUAGES

- Java
- Python
- JavaScript
- PHP
- React.js
- Arabic
- English

AWARDS

Presentation speech and pitch ideas

Executive Summary:

6 years' experience in applications and manipulating data, working on IT service management solution. Primary experiences lie in web development and big data. Self-motivated to work on different data management technologies, data frameworks and structures and data modelling techniques. Love writing code and utilizing the latest technologies to solve application/data problems.

PROFESSIONAL EXPERIENCE

Data Analyst

MedNet Global Healthcare Solutions LLC.

Present-2020

Jeddah, Saudi Arabia

Manage reports to inform managers of different aspects of the business, in order to make better-informed decisions. Collect data from various departments of the company.

Security Business Analyst and Administration

Saudi Spanish Train Project

2018-2019

Jeddah, Saudi Arabia

I was able to use my leadership skills, high level of communication and management to understanding the clients, subcontractors and employee's needs. This helped secure Al-Haramain High-Speed Railway, 450 KM of track line, 5 train stations, and over 100 technical buildings along the track from Makkah to Madinah.

IT Business Integration

Precision Drilling Corporation

May-Aug (2018)

Calgary, Canada

- Using up to date technology in SAP4-HANA, I was able to manage SAP users access control.
- Run queries to deliver a daily report using ServiceNow/power BI applications.
- Work with team members and users to define business process improvements.
- Gathered requirements, configuring and customizing SharePoint sites to suit business needs.
- Assisted with transitioning SharePoint documents into new team site to improve documents accessibility.

IT Help Desk/ Start Technician

Mount Royal University

2015-2018

Calgary, Canada

- Provided direct technical support resetting user accounts and troubleshooting Wi-Fi.
- Monitored overall performance of all equipment including computers, printers, and scanners to generate monthly reports and facilitate workshops
- Gathered user requirements supporting purchase of the new Learning Management System.

Technical Skills

Database: SQL(Postgres), NoSQL (MongoDB)

Analytics Engine: Spark, flask-sqlalchemy, Pandas,

Big Data: data warehouse and data lake (ETL and ELT) using Apache airflow

Applications: Machine learning (IBM Watson), SharePoint, ServiceNow, SAP4,

Web Development: HTML, CSS, PHP, JavaScript, jQuery, React.js and Python:

Backend API

- Relational Database Architecture
- Modeling Data Objects using SQLAlchemy (ORM)
- Build CRUDE RESTful API using MERN Stack (React.js, Node.js, Express.js, MongoDB) and Flask formwork
- Authenticate with **Auth0** and authorize using **flask decorators**
- Testing using **postman** and **unittests module**

Frontend

- Build front end using React.js/JavaScript
- Use a 3rd party API to retrieve and display data
- Manage **asynchronous** JavaScript control flow with **Promises**

Cloud Computing: Experience with platform as services (PaaS) such as **Heroku**, **firebase** **docker** and **AWS**: create clusters:**EC2**, **EMR**, and **Kubernetes**. Store data in buckets (S3) with live connection to data in **Redshift** for large scale data.