

# 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:

7 years' experience in development and data manipulation, working on IT service management solution. Primary experiences lie in business project, web development and big data. Self-motivated to work on different up-to-date technologies, framework, data structure and data modelling techniques. Love writing code and utilizing the latest technologies to solve business problems.

## PROFESSIONAL EXPERIENCE

### Data Analyst

Present-2020

*MedNet Global Healthcare Solutions LLC.*

**Jeddah, Saudi Arabia**

Manage reports to inform managers of different aspects of the business, to make better-informed decisions. Collect data from various departments of the company. Leading projects to develop/improve business process.

### Security Business Analyst and Administration

2018-2019

*Saudi Spanish Train Project*

**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

May-Aug (2018)

*Precision Drilling Corporation*

**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

2015-2018

*Mount Royal University*

**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.