



# KHALID MOHAMED ALNUAIM

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## EXPERIENCE

### PROGRAMMER ANALYST AT KING FAISAL SPECIALIST HOSPITAL

November 2013 – Present (Full-time)

Work with the system development team in developing applications for different platforms: Web applications using JavaServer Faces (JSF), console applications using (Java) and iOS applications using (Objective-C).

### INTERN AT KING FAISAL SPECIALIST HOSPITAL

June 2012 – August 2012 (Internship)

Worked on one of the hospital's Web applications; Emergency Management System (EMS) by enhancing the application and adding administrative features to it, that allow the administrator to configure and setup the emergency unit.

## PROJECTS

### SEHATY (MY HEALTH), KFSH&RC

Technologies: Objective-C

The official iOS application for the hospital's patient, which provided the entire health record for patients, with data viewable in either English or Arabic. The application includes various aspects of patient care such as appointments, immunization records, lab tests, radiology screenings, vital signs, and more. Sehaty also provides the patient with the ability to cancel or postpone appointments, review statements of visits, and many more actions. It is easy for the patients to switch between current medical records or prior records to which they have been granted access. Patients can download the mobile application from the app store; the application had over 4,000 downloads in its first month of availability.

[Link: <https://itunes.apple.com/sa/app/sehaty/id1035658331>]

### LIFESTYLE, KFSH&RC

Technologies: Java, Web (HTML, CSS and JS) and Objective-C

A health tracking application consisting of two parts, the client and the back end. The client is the source of the data, which is implemented in Sehaty's iOS application and reads all the patient records from Apple's Health app for the iPhone. It then sends the records to the back end for storage, which is completed manually based on patient action or by the background fetching feature if enabled by the patient. Lifestyle's back end handles most of the business logic, as well as what to insert, update, retrieve, and delete. It also communicates with Sehaty's back end through a Simple Object Access Protocol (SOAP) web service.

### MYSHARE DRIVE, KFSH&RC

Technologies: Batch file, VBScript and Windows Registry

An application that has been installed in over 1,000 PCs. It is a collection of Batch, VB Script, and registry files packaged inside of an .exe file that installs, configures, maintains, and monitors a WebDAV client (WebDrive) to connect to Alfresco (ECM).

### VARIOUS JSF APPLICATIONS, KFSH&RC

Technologies: Java, Web (HTML, CSS and JS)

Developing various Web applications using JavaServer Faces (JSF). These include:

- **Default Location:** An application concerned with management of the location of PCs connected to the hospital's medical system (Cerner). It narrows visible patients to current locations of a certain PC, in addition to many functions such as managing a specific PC and managing all PCs for a certain location. The application also has in-app Access Control List (ACL), which allows the administrators to provide access and privileges to various users. Additionally, the application has an auditing feature that records all actions taking place inside the application itself.
- **Extension for Supply Chain Customer Service:** With no interaction from the Supply Chain's agent, the supply chain customer service's extension presents data from multiple sources based on the customer selection. The application works by receiving a request number through a query string passed by the customer service

application before it presents a view with all the required data in it. If the request number was wrong or has no data, the application presents an option for the agent to enter the request number manually

- **Supplies Scan:** An extension for the medical store application, which handles unregistered items by connecting the item's barcode with an item code in the enterprise resource planning (ERP) system and then adds more details about this item. The application provides users with a view to scan the product, and then the application checks to see if the item exists. The application also provides users with a view to manage all scanned and registered items.

#### **ARABIC TWEETS CLASSIFIER AND ASSESSMENT, ImamU (Graduation Project)**

Technologies: C# and .NET

Analyzing the user contribution on Twitter to measure the impact on its followers, thru these steps: cleaning, classifying and measuring the impact, then the result is presented to the user in different forms, including the impact of the various hashtags.

#### **MINI TWITTER IN LOCAL NETWORK, ImamU**

Technologies: Java

Client/Server application in a local network that allows the client to sign in to the server and follow/unfollow other clients, also it allows the use of direct messaging between users that follow each other.

#### **AUTOMATIC CAESAR CIPHER BREAKER, ImamU**

Technologies: C#

Encryption/Decryption application for Caesar cipher with the ability to return the best encryption for the cipher text using predefined keywords.

**CERTIFICATIONS** | **Red Hat Certified System Administrator, Red Hat (140-006-149)** January 2014 – 2017.

**Introduction to Computer Science, Udacity** February 2012.

#### **EDUCATION** | **IMAM MUHAMMAD IBN SAUD ISLAMIC UNIVERSITY**

B.S. IN COMPUTER SCIENCE 2008 – 2013

GPA: 4.01 out of 5

#### **LANGUAGES** | **Arabic** (Native)

**English** (Professional working proficiency)

**SKILLS** | Java, Web (HTML, CSS and JS), Objective-C, Python and Linux.