

# Khalid Alnuaim

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## Experience

### Graduate Teaching Assistant

*Worcester Polytechnic Institute*

August 2021 – Present

Assist students in the graduate course "Design of Software Systems". In addition to grading students' assignments and projects.

### Solution Architect

*Saudi Authority for Intellectual Property*

November 2019 – January 2021

Stabilized the authority's portal and optimized the performance and security. Designed and implemented in-house solutions. Provided consultation and support for other teams and developers in the authority.

### Software Engineer

*King Faisal Specialist Hospital and Research Centre*

November 2013 – November 2019

Developed applications for different platforms: Web applications using JavaServer Faces, console applications using Java and iOS applications using Objective-C.

### Software Engineer

*RVEALR*

February 2018 – May 2018

Prototyped a client dashboard and REST API back-end, with multiple views and functionalities, to allow the client to manage and monitor the resources.

### Software Engineer Intern

*TURBO Studios*

September 2017 – January 2018

Developed a connection to AWS in a supporting tool (Admin Tools) which perform multiple AWS related actions. In addition to Improving and fixing bugs in Spring Framework back-end system.

### Software Engineer Intern

*King Faisal Specialist Hospital and Research Centre*

June 2012 – August 2012

Enhanced Emergency Management System (EMS) by adding administrative features to allow the administrator to configure and set up the emergency unit.

## Education

### Worcester Polytechnic Institute

Ph.D. In Computer Science (2021 – 2025)

### Stevens Institute of Technology

M.S. In Computer Science (2017 – 2018)

### Imam University

B.S. In Computer Science (2008 – 2013)

## Awards & Achievements

### Winner Best Hack Using a NYC API

*HackNY Hackathon Spring 2017*

Intel, MongoDB, Twilio and others

<https://devpost.com/software/mansplaintome>

### Winner Most Original Project

*DuckHacks Hackathon 2017*

Google and JPMorgan Chase & Co.

<https://devpost.com/software/duckhacks-share-your-taste>

## Projects

### Sehaty (My Health)

*King Faisal Specialist Hospital and Research Centre*

Developed the official iOS application for King Faisal Specialist Hospital and Research Centre's patients. Worked as the lead developer; developed all app views that retrieve the user's data from a backend database. In addition, managed the user's session and implemented some of the iOS 10 SDK features such as: LocalAuthentication, UserNotifications, HealthKit and EventKit.

### Healthy Lifestyle

*King Faisal Specialist Hospital and Research Centre*

Created a health tracking application for KFSHRC's patients so they be monitored remotely by their physician. In addition, created a REST API to store all the data using Java. Also, developed the controller inside the official iOS app "Sehaty" which interacts with both the REST API and the iOS HealthKit.

### MyShare Drive

*King Faisal Specialist Hospital and Research Centre*

A collection of Batch, VBScript, and registry files packaged inside of an .exe file that installs, configures, maintains, and monitors a WebDAV client (WebDrive) to connect to Alfresco (ECM). I created all the necessary scripts that install and configure the WebDAV client based on the user's location. Ensured that the scripts work without any user interaction.

*More projects* <https://kalua.im/projects/>

## Certificates

### Advanced Study in Software Construction

*Massachusetts Institute of Technology*

<http://web.mit.edu/6.031/www/fa19/>

### React Nanodegree

*Udacity*

<https://conform.udacity.com/563VRG2S>

### A developer's guide to the Internet of Things (IoT)

*Coursera (9J6KF7RTGT3H)*

<https://www.coursera.org/account/accomplishments/verify/9J6KF7RTGT3H>

### Red Hat Certified System Administrator

*Red Hat (140-006-149)*

<https://www.redhat.com/rhapps/certification/verify/?certId=140-006-149>

## Skills

<b>Languages</b>	JavaScript, Java, Python, Objective-C
<b>Frameworks</b>	Express.js, Spring Boot
<b>Frontend</b>	React, Vue, HTML5, CSS3, jQuery
<b>Data</b>	SQL (PostgreSQL), NoSQL (MongoDB), Redis
	Hadoop, Spark, Pig, Hive
<b>CI/CD</b>	Git, Jenkins, Docker
<b>Cloud</b>	AWS

## Languages

**English** Fluent  
**Arabic** Native



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<https://kalua.im/resume/>

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