



# Abdulraqueeb Mohammed Abdulghani

Backend Developer

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## EDUCATION

2013 - 2017

### Bachelor of Software Engineering

Zarqa'a University

BS with honors and ranked first of my class.

## SKILLS

### Java programming

Core Java, JavaFX, Spring boot and Hibernate

### DB Designing and Administration

Administrated an Oracle 11g Database for about 2 years (Time Attendance/semi-ERP Database)

### SQL & PL/SQL (Oracle, SQLServer & MySQL)

Excellent skills in writing database functions, procedures and triggers (Oracle, MySQL)

### ASP.NET (C#).

Asp.net Web Applications and web API

### HTML, CSS, Javascript

### AngularJs

### Android Programming

## WORK HISTORY

Oct 2019 - Now

### Java Developer

Almabani General Contractors

Designing, developing and maintaining the company's custom, in-house built, ERP system "*AlmaERP*".

As well as our joint venture partners' ERP system "*NAS-JVERP*".

Using the following technology stack : Java EE, JavaFX and MySQL database.

Building these ERP systems included all modules starting from HR modules, Accounts modules down to Employee-Portal modules.

Since day one at Almabani's Systems Development Department, I started working on Employee-Portal applications, by migrating from old Portals, into the new JavaFX-based ERP system.

Then I get to develop more and more applications, applying new ways and concepts on the way, and following international industry standards in software development, together with applying object-oriented programing concepts to both old and new code bases.

In summary, I designed, developed and maintained the following modules; from both front-end and back-end sides :

#### • Employee Portal Modules:

1. Short Leave Module.
2. Un-Paid Leave Module.
3. Paid Leave Module.
4. Business Trip Module.
5. Business Expense Module.
6. Employee Loans Module.

Using Android Studio, Java, XML layouts designing and gradle.

## Debugging Skills

## Version Control Systems

Git and GitHub

## Cloud Computing

Familiarity with AWS EC2, RDS and overall AWS Console

## Collaborative team work

Helping my teammates level up their experience, as well as training new employees to adapt quickly and get going with the rest of the team.

## English Language

Native Arabic speaker.

## OTHER PARTICIPATIONS

- A Member of the AWS Riyadh User Group.
- Participated in ACM programming contest at Al Abayt University.
- Completed an Oracle ADF course , by amount of more than 100 hours at Cloud Soft training center.
- Certified from Udacity in completing a project-centered Android Developer Course.

## AWARDS

- Awarded for participating in the Students Research Conference at Zayed University in Dubai (2016)
- Awarded by ZU president for being at the top of honors list in Software Engineering Department at Az-Zarqa'a University. (2015)

## • Accounts Modules :

7. Bank File Generation Module. (for employee salaries, to be uploaded to SAB Banking System, or other banks)
8. Employee's Pay slip Generation Module.
9. Payroll Adjustments Module.
10. Vacation Deduction Module.
11. Petty Cash Module.

## • HR Modules:

12. New Employee Module.
13. Employee Management Module.
14. Employee Schedule Module.
15. Emergency Overtime Module.
16. Employee Payment Module. (Traffic violations, Exit Re-Entry... etc.)

## • IT Modules:

17. IT Services Bills Module. (To track the cost of IT services on monthly basis, such as Microsoft Exchange Plans... etc.)

## • Procurement Modules:

18. Material Request Module. (Used by site engineers)
19. Purchase Request Module. (Used by warehouse and/or procurement employees)
20. Purchase Order Module. (Used by procurement buyers)
21. Issue Slip Module. (Used by warehouse employees)

## • Admins Related Modules:

22. Access Control Module.
23. Tickets Module

## • Other Modules:

24. Almagbani Communication Center (ACC);  
A broadcasting program to notify employees -via email- with different kind of information, with the ability to choose multiple recipient categories based on their department or work location or other criteria.  
These information include: Weather status, Site Accidents, Safety Precautions and more.

Building the above modules included writing heavy SQL and PL-SQL functions, procedures and triggers in MySQL, along with the Java Logic and FX frontend design.

The majority of these programs included an Approval Flow feature. (explained more below)

Further more, I have contributed with several innovated ideas to help enhance the efficiency of the ERP system as well as the productivity of the developers.

Some examples of that included :

- Changing the flow of approvals for some programs, to allow scalable and infinite chain of approvals.  
To explain: imagine a loan system, where employee fills an application to take a loan from the company.

This application should be approved by multiple stakeholders, which means it should pass some flow of approvals.

The old technique used for approvals, was limited to the number of employee managers. This allowed maximum 4 approvals per request (supervisor, manager, director and CFO).

This technique can be acceptable for few programs, but will limit each future program with fixed number of approvals.

My solution for that, was separating the approval flow from the employee's structure, which allowed infinite and customized number of approvals for any program.

And that was massively helpful to us, and gave us the possibility to generate a custom approval flow for each single module.

This idea kept growing over time and was considered a key feature in the success of each new program.

- More over, I have encouraged the team to start using Git to handle different versions of the code, and arranged a plan for doing this.

Also encouraged the team to start using Trello to handle their daily tasks, which helped us manage our work especially when things started to get more big and complex.

I also mentored (with love and care) new developers to obtain Java and SQL skills.

- I constantly write common functions in Java or SQL to reduce redundancy and increase the reusability of common repeated tasks, such as :

**A.** Tracing code errors. (sending email notification for every error thrown in production, and logging the stack trace in database table to be used in the tickets system )

**B.** Helper function to automate copying deleted/modified data to history tables.

**C.** Helper function to automate generating and configuring a business report using Jasper Reports.

**D.** Standardizing the exchange of data in-between servers by using JSON format. (GSON Library)

**E.** Exporting data as Excel Spreadsheet format. (Apache XSSF Libraries)

**F.** Dynamic SQL insert queries generator. (A SQL Procedure that takes the table name as parameter, and returns insert queries for each record as a result).

Oct 2017 - Sep 2019

## **Dot Net Developer**

### **Albawariq Alarabia Co.**

- Developing Asp.NET/C# web applications, and managing and developing an Oracle database (Oracle 11g, 12c), as well as designing and building business reports using SAP Crystal Reports .
- The main application I worked on at this period was a Time Sheet system.  
This application was more database centric, which means most of the business logic existed in the Oracle database. (inside big procedures and functions, and even triggers)
- I was responsible for administrating the database, as well as designing front-end web pages and back-end C# code using ASP.NET Web Application Framework.
- I wrote a lot of complex Oracle procedures and function, and enhanced the performance of an existing procedures as well.
- I also contributed in developing a Mobile Application version of the Time Sheet system, by writing a few API's that were used by the mobile application developers. We used Asp.NET Web API for doing this.
- I have designed and integrated multiple business reports using SAP Crystal Reports for .NET, this included integrating SAP Crystal Reports with Oracle 11g database using ODBC in order to link the data.
- I contributed in the process migrating from Microsoft SQL-SERVER database to Oracle 11g database, and was responsible for translating the syntax differences between both platforms.

Nov 2016 - Aug 2017

## **Special Intelligent Support Application for blind people (SISA)**

### **A graduation project and research [\[Click to see video\]](#)**

SISA (a graduation project) is a system developed to help blind people to be guided by some supporter remotely.

This system consists of a mobile application and a Special Blind Stick. The supporter use the mobile application to control the blind's stick.

The application have two versions, a supported version and a blind version.

The supporter calls the blind through the App (VOIP), and the blind

answers by shaking his phone. then the supporter is able to control the blind's Stick, by sending signals from the blinds phone to the stick using Bluetooth. These signals are ( forward, backwards, left and right).

The stick can also be used separately without the mobile app , as it has multiple sensors attached to it, directing it and allowing it to avoid objects and obstacles.

Mar 2016 - Jul 2016

## **Oracle Database Developer Intern**

### **Jordan Islamic Bank**

Exploring Oracle database, and getting to learn more about SQL, using Toad DBMS.

## **TOOLS EXPERIENCED**

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-**IntelliJ IDEA**, Visual Studio, **Android Studio**, **NetBeans**, **SQLServer Studio**, Toad for Oracle, **Benthic Golden** , Benthic PLEdit. **MySQL Workbench**, Heidi-SQL, **SAP Crystal Reports**, Jasper Reports, **Visual Studio Code**, Postman, Talend API, **Git**, **GitBash**, **GitHub**, PowerShell, RazorSQL, Tortis SVN, MS Office.