

# MOHAMMED ALMISSBAH

## SOFTWARE ENGINEER

MOBILE DEVELOPER | JAVA DEVELOPER

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## LANGUAGES

ARABIC ENGLISH

## OPERATING SYSTEMS

Linux Windows

## PROGRAMMING SKILLS

JAVA Dart Kotlin C/C++  
Javascript HTML PHP SQL  
CSS

## TECHNOLOGIES

Android IOS Flutter Redux  
Dagar2 LiveData Retrofit Room  
RxJava MVVM MVC Spring boot  
Laravel REST APIs Junit  
Bootstrap JQuery WordPress OOP  
Design patterns JavaCard

## SECURITY SKILLS

Encryption PKI PKCS11/12  
Application Security SSL-TLS  
KeyStores Digital Certificates  
PrimeKey EJBCA UTIMACO HSM

## SMARTCARDS/TOKENS

JavaCard DesFire Yubico OTP tokens  
ST3 Tokens Bit4id SmartCards/Tokens  
APDU

## ABOUT ME

I am a self-motivated hard-working person experienced in software and mobile application development. I'm open to new experiences, seeking employment that will make best use of my skills and allow me to develop them further .

## EXPERINCES

### SOFTWARE ENGINEER

2015 - Till now

### NILE CENTER FOR TECHNOLOGY RESEARCHS

- Participated in developing national Sudan projects such as Sudan fuel management system and Sudan root CA.
- Developed JAVA and PHP Web applications with RESTfull APIs for Web and Android clients.
- Participated in developing Android applications using JAVA and Kotlin and implemented MVP, MVVM, retrofit, Eventbus and FCM.
- Developed and customized UI for Web applications.
- Participated in developing Smartcard APIs and libs for interacting with Desfire smartcards through Android NFC.
- Secured applications by preventing XXS,CSRF,SQL injection, URL protection by hashing and encryption,multifactor authentication and OTP USB tokens.
- Developed registration system for EJBCA PKI server and libraries for crypto tokens management using PKCS11 .
- Developed test cases using Junit and Mockito.
- Managed releases for android applications and JAVA war files.
- Documented APIs use cases and applications source code.
- Manage source code versions using VCS like SVN and GIT.

### FULL STACK DEVELOPER

2016 - Till now

### PART-TIME FREELANCER

- Met with customers to gather and identify functional, non-functional requirements.
- Designed Databases models and developed secure backend Applications using PHP & JAVA to provide Restful APIs for Web and Mobile clients.
- Developed native android applications using Java and Kotlin and (IOS/Android) applications using Flutter.
- Implemented advance technologies in Android such as RxJava, LiveData, Room, Daggar2, Retrofit and Redux for Flutter.

### ASSISTANT TEACHER

2016 - 2017

### ALNEELAIN UNIVERSITY

- Part time teaching Android Course for final year students.
- Part time teaching Data Structure lab for 1st and 2nd year students.



## IDES AND TOOLS

- Android Studio
- Eclipse
- NetBeans
- IntelliJ
- ADOBE XD
- GIT
- SVN
- Jenkins
- XAMP
- JBOSS
- Tomcat
- Atom
- Vim
- ActiveMQ
- Cpanel
- FileZilla
- PhpMyAdmin
- NotePad++

## OTHER SKILLS

- Problem Solving
- Technical support
- System Adminstartion
- Team work
- High Analytic skills
- Leadership

## EDUCATION

### 2015 - 2016

Khartoum, Sudan

### Trainings & Courses

- REDHAT CERTIFIED SYSTEM ENGINEER (RHCE)
- PUBLIC KEY INFRASTRUCTURE
- C LANGUAGE
- CCNA
- SHELL SCRIPTING

### 2010 - 2015

Khartoum, Sudan

### Honor B.Sc. Electronic Engineering (Telecommunication)

Alneelain University Faculty of Engineering.

## PROJECTS

### PKI REGISTRATION SYSTEM

2016 -2017

Spring | Java | Html | Java script

Participated in developing a registration system for EJBCA using Java backend, PKCS, Html, JS and Desktop application. the system enrolls users, schedule's appointments with registration officers to validate user applications and communicates with EJBCA Web service and automatically store the generated certificate into a USB token or Smartcard then notifies the end-user with the token password.

### NCTR TASK FOLLOW UP

2017 - 2018

Spring | Java | Android | Html | Java script

Developed Android and JAVA web application to manage department projects and calculate employees working hours per projects and tasks then generate monthly reports.

### SUDAN FUEL MANAGEMENT SYSTEM

2018 - 2019

Java | Kotlin | Android | Smartcards

Participated in developing Android point of sales application and NFC Android module for interacting with Desfire and Java smartcard APIs.

### ANAAM ORDERING SYSTEM

2018 - 2019

Java | Android | PHP | SQL

Developed fresh meat ordering system composed of a web application and three Android applications for user, admin and delivery agents.

### NILECHAT SECURE MESSAGING

2018 - 2019

Java | Android | JSP | Html | Java script

Participated in customization of Android secure messaging system that implements XMPP and end to end encryption by customizing the UI and the system features, adding security and SMS features and fixing bugs.