



**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

Khartoum, Sudan
2015 - Till now

NILE CENTER FOR TECHNOLOGY RESEARCHES

- 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 ,Databinding 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 XSS,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 modern Android technologies such as RxJava, LiveData, Databinding Room, Daggar2, Retrofit and Redux for Flutter.

ASSISTANT TEACHER

Khartoum, Sudan
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

REFERENCES

- Eng. Abdualmohimen Alsidig**
SENIOR SECURITY ENGINEER
NILE CENTER FOR TECHNOLOGY RESEARCHES
Khartoum, Sudan
Email: abdo.a@nctr.sd
Tel: +249912347502
- Eng. Mohammed Abdelmohsin**
SENIOR ANDROID DEVELOPER
NILE CENTER FOR TECHNOLOGY RESEARCHES
Khartoum, Sudan
Email: mohamed.abd@nctr.sd
Tel: +249916393118
- Eng. Abdoalrahim Tajalsir**
SENIOR CRYPTOGRAPHY SOFTWARE ENGINEER
NILE CENTER FOR TECHNOLOGY RESEARCHES
Khartoum, Sudan
Email: abdo.t@nctr.sd
Tel: +249966216716

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

- NILE CENTER FOR TECHNOLOGY RESEARCHES**
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.
- 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.
- FREELANCER**
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.