### MOHAMMED ALMISSBAH

SOFTWARE ENGINEER | ANDROID DEVELOPER | JAVA DEVELOPER

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#### LANGUAGES

ENGLISH ARABIC

#### PROGRAMMING SKILLS

Kotlin OOP Android JAVA Javascript HTML PHP SQL JQuery REST APIs Flutter JSP & Servlets JPA Dart C/C++ Junit Spring boot JMS JAVA card Applets Spring Security

#### SYSTEM SKILLS

Linux Windows RHCE Puppet

#### SECURITY SKILLS

Crypto Tokens Encryption PKI Hashing OTP tokens SSL-TLS **Application Security** KeyStores UTIMACO HSM PrimeKey EJBCA **USB Tokens** OCSP SmartCards PKCS11/12 Certificate Authorities Digital Certificates Digital Signature

## SMARTCARDS/TOKENS

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

## IDES AND TOOLS

Eclipse NetBeans **Android Studio** InteliJ **ADOBE XD** SVN **GIT XAMP JBOSS** Jinkens Tomcat Vim **ActiveMQ** Atom Cpanel PhpMyAdmin NotePad++ FileZilla

# OTHER SKILLS

**Problem Solving** Technical support Critical thinking Team work High Analytic skills Leadership

# ABOUT ME

am a professionally qualified, self-motivated, reliable and hard working person and excellent team player, experienced in software enginnering and mobile application development, seeking employment that will make best use of my skills and allow me to develop them further.

I'm open to new experiences and looking for a permanet postion to mature professionally.



## **EXPERINCES**

#### SOFTWARE **ENGINEER**

2015 - Till now

# Nile Center For Techology Researchs (NCTR)

- Participated in the development of national projects such as sudan fuel managment system and sudan root CA.
- Developed JAVA and PHP web applications with RESTfull APIs for web and anrdoid clients.
- Participated in developing android applications with JAVA and Kotlin using MVP, MVVM, retrofit, Eventbus and FCM.
- Developed and customaized UI and admin pages for PHP and JAVA web applications. Participated in Development of smarcard APIs and libs for
- interacting with Desfire smartcards through APDU. Secured applications by preventing XXS,CSRF,SQL injection
- and URL protection by hashing and encryption. Developed registration system for EJBCA PKI server and
- crypto tokens managment using PKCS11 libs. Secured applications using multifactor authentication and OTP USB tokens.
- Developed test cases using Junit and mockito.
- Managed releases of android and war files deployment.
- Documented source code of applications and APIs use cases.
- Participated in requirements gathering, brainstorming, planning for systems.
- Manage source code versions using VCS like SVN and GIT.

# FREELANCER Full Stack Developer

- Met with customers to gather and identify functional, nonfunctional requriemets and application features to set the dead line for developement and schedule releases.
- Designed Databases and developed secure backend applications using PHP & JAVA to provide RESTFul APIs for Mobile and web clients.
- Developed native android applications using Java and kotlin and (IOS/Android) applications using Flutter.

## **ASSISTANT** TEACHER

2016 - 2017

## **Aneelain University**

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

# **EDUCATION**

2010 - 2015 Sudan ,Khartoum

# Honor B.Sc. Electronic Engineering (Telecommunication)

Alneelain Univercity Faculty of Engineering.

TRAININGS & COURSES

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

# **PROJECTS**

## SUDAN PKI (ROOT CA) Particpated in planning and deployment of SUDAN ROOT CA

infrastructure and private keys generation in key ceremony.

#### PKI REGISTRATION SYSTEM Participated in developing a Registration system using JAVA





backend, HTML, JS and pkcs11 for enrolling users, scheduling appointments with registration officers to validate the application, communicating with EJBCA web service and automatically store the genertated certificate in a USB token or smartcard then notify the end user with the token password.

# SUDAN FUEL MANGEMENT SYSTEM







Participated in the development of the android POS application and smartcard APIs for the project.

# NCTR TASK FOLLOW UP





department projects and calculate employees working hours per

#### **ANAAM** Developed fresh meat ordering system composed of a web





application and three android apps for user, admin and delivery agents.

# **NILECHAT**



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.

Participated in customaization of Android secure messaging