

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 and excellent team player, 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 Techology Researchs (NCTR)

- Participated in development of national 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 with JAVA and Kotlin using MVP, MVVM, retrofit, Eventbus and FCM.
- Developed and customized UI and admin pages for PHP and JAVA web applications.
- Participated in Development of Smartcard 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 management using PKCS11 libs.
- Secured applications using multifactor authentication and OTP USB tokens.
- Developed test cases using Junit and Mockito.
- Managed releases of android applications and war files.
- Documented source code of applications and APIs use cases.
- Manage source code versions using VCS like SVN and GIT.

PART TIME FREELANCER

2015 - Till now

Full Stack Developer

- Met with customers to gather and identify functional, non-functional requirements.
- 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.
- Implemented advance technologies in android like RxJava, LiveData, Room, Daggar2, Retrofit and Redux for flutter.

ASSISTANT TEACHER

2016 - 2017

Aneelain 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

2010 - 2015

Sudan ,Khartoum

Honor B.Sc. Electronic Engineering (Telecommunication)

Alneelain University Faculty of Engineering.

TRAININGS & COURSES

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

PROJECTS

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 generated 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



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

ANAAM



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

NILECHAT



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.