

Mohamed Gafar

Software Engineer

 My Website  wadjaafar  wadjaafar  wadjaafar@gmail.com  +4917636510227

EXPERIENCE

UNIVERSITY OF BONN | STUDENT RESEARCH ASSISTANT

September 2020 – Present | Bonn, Germany

- Part of the data management team of PhenoRob.
- Developed and designed a File Uploader using Spring Boot and JavaScript.
- Increased the file upload capacity from 20GB to 1TB.

FRAUNHOFER IAIS | STUDENT RESEARCH ASSISTANT

August 2020 – Present | Sankt Augustin, Germany

- Developed and maintained web applications
- Created a form generator from ontologies using ReactJS, JavaScript, Spring Boot and Semantic Web

SOLUS | CO-FOUNDER - ANDROID/iOS DEVELOPER

January 2019 – November 2019 | Khartoum, Sudan

- Co-founded Solus. A company that offers electronic payment solutions in Sudan
- Developed and released a mobile payment application to pay bills and make online purchases in Sudan (CashQ)

XZONE | IOS DEVELOPER

May 2018 – December 2018 | Khartoum, Sudan

- Developed and maintained two native apps for iOS.
- Worked with UIKit, RESTful web services, localization, CoreData, Push Notifications, Facebook AccountKit SDK, REST APIs, AVAudioEngine, WebSocket and other technologies.
- Worked in an Agile Environment for project and team management.

ASHRAFCOM | SOFTWARE DEVELOPER (ANDROID)

January 2018 – May 2018 | Khartoum, Sudan

- Improved and implemented new features to Morsal e-payment app.
- Integrated Morsal app with maps and geolocation features (Markers Clustering).
- Configured Android Point-of-Sales (POS) and integrated magnetic card readers and printers with the Android app.

GEO & INNOVATION | SOFTWARE DEVELOPER (ANDROID)

January 2018 – May 2018 | Khartoum, Sudan

- Co-founded Geo & Innovation a company that provides GIS services.
- Developed native Android applications using Java, Android SDK.
- Worked with Google Maps and Places APIs.
- Created Location-based Android apps that integrate with MySQL database using web APIs (Spring Boot).

UNIVERSITY OF KHARTOUM | TEACHING ASSISTANT

December 2016 – December 2017 | Khartoum, Sudan

- Provided training in ArcGIS, MATLAB and aided students in presentation skills and scientific writing.
- Collaborated with a team of faculty at weekly meetings and actively contributed new ideas on teaching.

SKILLS

PROGRAMMING

Proficient:

Java • SQL • CSS • HTML • JavaScript

Experienced:

Kotlin • Swift • C++

Familiar:

Python • C#

LIBRARIES/Frameworks

Android • iOS • React • OpenLayers • ArcGIS • QGIS

TOOLS/PLATFORMS

Git • Maven • Android Studio • Xcode • Wordpress • Docker • CI/CD • LaTeX • Adobe Products

EDUCATION

UNIVERSITY OF BONN

MASTER'S IN GEODETIC

ENGINEERING

Nov 2019 - Present | Bonn, DE

Institute of Geodesy and Geoinformation

UNIVERSITY OF KHARTOUM

BACHELOR'S IN SURVEYING

ENGINEERING

December 2016 | Khartoum, SD

Faculty of Engineering

Cum. GPA: 6.68 / 10

AWARDS

- Among the Best Twelves Projects in Mashrouy (My Project) Entrepreneurs Contest, British Council, Sudan (2017).
- Winner of the best graduation project in the surveying engineering department, University of Khartoum, Sudan (2016). (<https://geoidapp.github.io>)