

Mohamed Gafar Ahmed Mohamed

Software Developer

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[Website](#)

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SKILLS

Programming Languages: Java, Swift, HTML5/CSS3, JavaScript, Kotlin, C++

Frameworks: Native Android/iOS, ReactJS, Redux, SpringBoot, PostgreSQL

Tools: Bash, Git, Maven, Gradle, Docker, CI/CD, Kubernetes

GIS Software: ArcGIS, QGIS, OpenLayers, GeoServer, PostGIS, Google Maps Platform

EXPERIENCE

Fraunhofer IAIS - Software Developer (Part-Time)

AUG 2020 - PRESENT // Sankt Augustin, DE

- Developed web applications for semantic data research using **JavaScript**, **ReactJS**, **Spring Boot**, **SPARQL** and **MongoDB**.
- Worked with Knowledge Graphs and different data ontologies.
- Implemented CI/CD pipelines using Docker & Kubernetes.

University of Bonn - GIS Developer (Part-Time)

SEP 2020 - APR 2023 // Bonn, DE

- Member of the Geoinformation working group.
- Worked on the data management of the project PhenoRob. (Phenotyping and Sustainable Crop Production).
- Developed web apps and databases using **PostgreSQL**, **GeoServer**, **Spring Boot**, and **JavaScript** to store and process agricultural data.

SolusPay - Co-Founder - Android/iOS Developer

JAN 2019 - NOV 2019 // Khartoum, SD

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

XZONE - iOS Developer

JAN 2018 - DEC 2018 // Khartoum, SD

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

EDUCATION

University of Bonn

NOV 2019 - MAR 2023

M.Sc. in Geodetic Engineering (Major: Geoinformation)

- Extensive experience working with geospatial data
- Developed Android applications for projects during the program
- Proficient in utilizing web technologies to create interactive web applications

PROJECTS

[TransportAR](#) — ARCore/Android/Spring/Postgresql/GTFS

Augmented reality app to display nearby stops with live timetable.

TravelTimeApp — Android/Java

Visualize where you can go within a certain amount of time on a map.

[CashQ](#) — Android/Java

Mobile banking app pay bills and make online purchases in Sudan

[Marsol Qatar](#) — iOS/Swift

Delivery application for booking rides and delivering items

Geoinformation System — JavaScript/React/Spring/Postgresql

Web dashboard to visualize and monitor agricultural fields.

LANGUAGES

- Arabic (*Native*)
- English (*Proficient*)
- German (*A2 Level*)