



Tinashe Makuti

Android and Data Engineer

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SKILLS

Android Development

- Gradle
- Fastlane
- RxAndroid
- Java, Kotlin
- Retrofit, GMS
- Kodein, JUnit
- Dagger, Python
- Espresso, Coroutines

Data Engineering and AI

- Python
- Numpy
- Hadoop
- Statistical Analysis with R
- Scikit learn
- Deep learning with PyTorch and Tensorflow
- OpenCv

Amazon Web Services

- CI/CD
- S3, VPN
- DynamoDB
- Cloud front
- Cost optimisation
- Server Provisioning EC2 and RDS

BACKEND API DEVELOPMENT

- Spring Boot
- Nodejs (TypeScript)

iOS App Development

- UI Kit
- Swift
- SwiftUI

CERTIFICATIONS

- Google Certified Associate Android Developer
- Amazon Certified Solutions Architect

OTHER ENGAGEMENTS

Huawei Seeds For Future Internship

As part of the recognition for being an outstanding ICT student in Zimbabwe, I was selected as part of the top 10 students in the country to attend an intense month long training at Huawei Technologies in Beijing and Shenzhen China.

SUMMARY

Software engineer, dedicated to the quest of developing solutions that leverage on best practice technologies to deliver over the top user experience . I have an accomplishment history that spans for approximately 5 years in different areas of the computing sphere, with 3 of those mainly focusing on android.

WORK EXPERIENCE

2020-01

Lead Android Engineer

Baobab Circle UK

In this role I was able to:

- Migrate the legacy codebase to Kotlin, Androidx, Jetpack and MVVM.
- Set up a DI framework with Dagger2, static analysis tools (KTlint), unit (Roboelectric and JUnit) and UI tests (Espresso), and a CI/ CD pipeline.
- Integrate with BLE Services (Bluetooth Low Energy) to enable interactions with Blood Pressure Monitors.
- Implement WebRTC functionality in order to aid telemedicine

2018-07 -

Software Developer

2019-12

Baobab Circle UK

Involved in:

- Giving direction to the technical architecture of our entire platform (Android Architecture, AWS Resource Management and Devops structuring).
- Reviewing the code base inherited and providing suggestions for further improvement.

Key Achievements

- Optimised AWS Infrastructure reducing monthly costs by 40 percent.
- Integrated with the Dnurse blood sugar monitoring device, extending our reach to IoT devices.

2016-08 -

Technical Analyst Intern

2017-08

Cumii International Zimbabwe

Developed and maintained IoT structures for improved service provisioning for all our clients.

Key Achievements

- Set up and supported Econet Connected Car, Zamtel Connected Car, Powertrack and Kwese
- Developed android and iOS applications for the respectful services. Support Econet Health Tips.
- Led integrations with a Hospital Grade all in one health device to enable disease diagnosis in low income areas.

EDUCATION

2020 - 2021

Applied MSc in Data Engineering

Data Science Tech Institute - France

Courses

Applied mathematics, statistical analysis and ml, Data wrangling, Big Data, Hadoop and Building big data pipelines, DL and ANN, DevOps and CI, Project Management. Distributed, performance programming and software engineering. Cloud - Azure and Amazon AWS

2014 - 2018

Bsc Honours Computer Science

National University of Science and Technology ZW

Attained a first class Bsc Hons Degree in Computer Science.

Awards Attained/ Achievements

- NUST Book Price
- Best Graduating Student
- NUST Vice Chancellor's Award