

Obinna Aguwa

Mobile Engineer | iOS Developer

+2349035040181 | obinnaaguwa1@gmail.com | Lagos, Nigeria

PROFESSIONAL SUMMARY

Dynamic Mobile Engineer with 2+ years of hands-on experience in building robust, well-engineered, clean, and scalable apps with a high degree of efficiency to ensure project needs and business goals are met. Adept at detecting various types of vulnerabilities while developing mobile applications. Adept at using Flutter, Dart, UIKit, Objective-C, and SwiftUI to build beautiful user interfaces in concert with a strong, working understanding of Core Data. Ability to create action plans and strategies to prevent these vulnerabilities, while maintaining communications with all levels of management.

TECH STACK

Front End	Flutter, Dart, Swift, Swift UI, Flutter, Solidity, Objective-C, CSS3, Bootstrap, HTML5, JavaScript, Cocoapods, XCTest, MVVM
Back End	Firebase, RESTful API's, Cloudinary
Data Stores	Core Data, Realm Swift, MySQL, User Defaults, SQLite, Shared Preference, Hive
Web Servers	Apple Cloud Kit, Heroku, AWS
Operating Systems	Mac OS, Windows 10

EXPERIENCE

iOS Engineer | Konga | Lagos, Nigeria

April 2022 – Present

Konga is a Nigerian e-commerce company offering third-party online marketplace, as well as first-party direct retails spanning a lot of categories of items.

- Translated designs from Figma to build a delightful user interface for Konga Shopping iOS mobile app using the latest version of Swift, and Objective C.
- Architected complex systems and applied common architectural approaches such as MVC, MVP, and MVVM to build highly scalable and testable iOS apps.
- Led the iOS Development Team in building complex systems, reviewing teammates' codes, and suggesting improvements.
- Implemented best security measures while developing iOS apps by using Keychain to manage passwords and SSL Pinning while working with data in transmission.
- Referenced Apple's Human Interface Guidelines and collaborated with designers to build a native product experience.
- Used Core Data to cache data to support offline use and designed database models using Core Data Models.
- Used Firebase Remote Config to remotely update data in the iOS apps directly from the Firebase Cloud and force updates.
- Technologies:** Swift, UIKit, Obj C, XCTest, XCode, Jira, Git, Github, GraphQL, RESTful API, Netcore Smartech, Swifty JSON, Fastlane, Keychain, Swift Package Manager, Core Data

Vested is an intuitive financial management platform that enables customers to build, secure, and sustain their wealth and achieve their life goals in more connected and personal ways.

- Led the Mobile Development team to plan, architect, and implement product features using Dart programming language and Flutter framework.
- Collaborated with the rest of the engineering team, including the backend engineers and DevOps Engineer to automate the CI/CD pipeline for continuous integration and deployment using Azure DevOps.
- Increased the quality of work done by 15% by writing unit tests to test individual components of the mobile app.
- Architected complex systems to adhere to SOLID principles, that are well-testable, robust, and maintainable using the MVVM architecture.
- Collaborated with my team using Git version control to keep track of changes made and pushed all code to Azure DevOps.
- Integrated third-party APIs like Smartech Netcore, and Firebase for remote push notifications and customer engagement tracking using native code which are Swift and Kotlin.
- Used Firebase Cloud Messaging (FCM) to implement push notifications in the mobile app.
- Technologies: Flutter, Dart, Git, MVVM, .NET Core, Kotlin, Azure DevOps, Github, Netcore Smartech.

Gofast International Projects is a financial technology firm that specializes in the creation and deployment of convenience software applications for mobile and web platforms. One of such innovative apps is the Gopaii app which uses a Gopaii payment gateway to facilitate efficient payment of products and services.

- Built a Financial application called GoPaii that provides a solution for social media store owners to make safer and more efficient transactions with other social media users. Payments were made through an app-generated Smartlink.
- Built an Entertainment app that enables users to make live streaming and broadcast the streams to live audiences using the Agora SDK.
- Implemented real-time two-way communication between users in the entertainment app using Agora Real-Time Messenger (RTM) engine.
- Drove redesign of the Gopaii application through several iterations improving monthly active users to 25% and order conversion to 15%.
- Stored, retrieved, and manipulated data such as images, and texts, using the SQflite database.
- Handled responsiveness for multiple devices including android and iOS Devices using Media Query.
- Technologies: Dart, Flutter, Agora RTC, Agora RTM, SQflite, Cloudinary, Firebase, Git, Github, Provider, Android Studio, Agile Development

Decagon is an elite software engineering and leadership training school that equips high-potential individuals with world-class software engineering skills.

- Built a Food Delivery iOS app that automates the process of ordering meals from restaurants close by.
- Architected 2+ iOS complex apps to adhere to SOLID principles, that are well testable, robust, and maintainable.
- Proposed and implemented design patterns such as MVVM, Singletons, and Dependency Injection and Factory Method while developing iOS apps.
- Making such architectural decisions provided more productive ways to develop, maintain, extend, test, and deploy the app.

- Proposed and spearheaded the refactoring of the codebase from MVC to MVVM which included unit tests and snapshot tests. In the process, created a code style and used Swiftlint to enforce some of the styles.
- The team's CI/CD process wasn't properly "automated" as it can take about 40 mins or more for a PR to complete its checks. Took charge of this and improved the process and was able to record a maximum of 20 mins or fewer PR checks.
- Technologies: Swift, UIKit, Obj C, XCTest, XCode, Jira, Git, Github, Github Actions, XCode Server, Fastlane, Keychain, Swift Package Manager, Realm, Core Data

iOS Engineer | KudiGo | Accra, Ghana

April 2021 – October 2021

The KudiGo storefront mobile app is a simple retail solution that gives you a retail software, an e-commerce store, an integrated store, and other features in one app. The project was to build the iOS version of KudiGo mobile app using SwiftUI.

- Helped build a product that impacts thousands of retailers in Africa to help them manage their business better using agile software development methodologies, such as Scrum, using Swift.
- Built a dynamic metrics system to provide retailers with detailed business insights implementing iOS Core Animations, and Core Graphics.
- Provided technical designs and implementation of kudiGO Storefront iOS native application using Swift, SwiftUI.
- Managed version control using Git, and Github, and worked with CI/CD, CocoaPods, and other iOS development tools.
- Consumed RESTful APIs to populate the user interface with data from backend services.
- Improved product quality by implementing automated tests in conjunction with code reviews and writing effective unit tests.
- Technologies: Swift, SwiftUI, Combine, Git, Github, Fastlane, Realm, XCUITest, XCTest, XCode

iOS Developer | Serve Consulting | Lagos, Nigeria

February 2020 – December 2020

Serve Consulting is a global business consulting firm passionate about helping organizations reach their goals. It provides SAP solutions that offer services in business process optimization, system design and integrations, project management, and other business advisory services to leading organizations.

- Collaborated with a team to ship an iOS App from design specifications to App Store.
- Improved product quality by implementing automated tests in conjunction with code reviews and writing effective unit tests.
- Cached large data on the device for offline use using Core Data. This saved a lot of resources while using the app.
- Technologies: Swift, UIKit, Combine, Git, Github, Fastlane, Realm, XCUITest, XCTest, XCode, Trello,

PROJECTS

- Konga: <https://apps.apple.com/us/app/konga/id880918394>
- Konga Pay: <https://apps.apple.com/ng/app/kongapay/id1105457515>
- Vested: <https://apps.apple.com/ng/app/vested/id1566839320>
- Kudigo: <https://play.google.com/store/apps/details?id=mobile.kudigo.pos&hl=en&gl=US>
- GoPaii (Android): https://play.google.com/store/apps/details?id=com.gofastinternational.gopay_mobile&hl=es_NI&gl=US7
- GoPaii iOS: <https://apps.apple.com/bb/app/gopaii/id1582985787>
- Foodly: https://github.com/brainox/Foodly_App
- Upgradable Contract: <https://github.com/brainox/EIP-1822-Upgradable-Contract>
- NFT Contract: <https://github.com/brainox/MyNFT>

EDUCATION

BSc in Biochemistry | Michael Okpara University of Agriculture Umudike | Umuahia, Nigeria2014 – 2018

- 4.10 GPA (2nd Class Upper)

CERTIFICATIONS

SCRUM FUNDAMENTALS CERTIFIED | VMEdU, Inc.2021

MOBILE WEB SPECIALIST | Google/Andela Developer Scholarship2020

PROFILES

LinkedIn: <https://www.linkedin.com/in/obinna-aguwa/>
Github: <https://github.com/brainox>