
Education**Ile-Ife, Osun state****Obafemi Awolowo University****2014 - 2020****Major:** BSc Computer science with Mathematics

Employment**Founder / CEO****OrnaMap Technologies,
Lagos, Nigeria.****Aug 2023 - Current**OrnaMap (<https://ornamap.com>): Public transit planning and booking service.

- Spearheading the development and execution of OrnaMap - A public transit planning and booking application designed for cities with both informal and semi formal public transit services.
- Spearheaded the integration of public transit partners in Nigeria, including Lagos Metropolitan Area Transport Authority and the Nigerian Railway Corporation.
- Designed and implemented the OrnaMap Android application, iOS application and Backend routing engine.
- Identifying and pursuing new business opportunities, partnerships, and stakeholder and client relationships to drive growth and revenue.

Associate Software Engineer**Goldman Sachs,
London, UK.****Nov 2021 - Current**Goldman Sachs (<https://www.goldmansachs.com/>)

- Facilitated an easy cloud management service by implementing the GS Public Cloud Facade service. This service communicates between Goldman Cloud Network and the various Public Cloud providers, including Google Cloud Platform (GCP), Amazon Web Services (AWS) and Oracle Cloud Infrastructure (OCI).
- Identified and resolved 34,000 redundant cloud machines which led to a significant cost savings by designing and implementing the public cloud computing Introspector and Auditor service.
- Designed and maintained services which helps in the efficient management of over 400,000 Public Cloud machines across 34 regions in the continent.
- Leveraged knowledge in Java, Spring Boot, Infrastructure as a Server (IAAS), GCP, AWS, OCI, Terraform.

Android Engineer**Plume Design, Inc,
Palo Alto, CA, USA****Apr 2020 - Oct 2021**Plume Wi-Fi (www.plume.com): Smart home and IoT service.

- Redesigned smart Bluetooth and Wi-Fi service API which improved successful POD pairing by 19%.
- Optimized local data storage system, to include caching and compression, which increased file access speed by 35% and improved app speed significantly.
- Reduced Pod connectivity and onboarding time by implementing the mDNS protocol on the HomePass Android application.
- Implement and refactored existing UI animations which improved UI rendering speed significantly and drove a better user experience.
- Improved code structure, maintainability, and testability by spurring clean code which further improves feature development speed and bug fixing significantly.
- Integrated and managed CI/CD system to handle testing, lint checking and artifact generation.
- Leveraged knowledge in Kotlin, Java, Clean Architecture, Coroutines, Koin, Kotlin Multiplatform, Dagger2, Hilt, RxJava, REST, CI/CD, Unit Testing, OpenSync, Memory Analyser, Git, Jira, Retrofit.

Android Engineer

OPay,
Lagos, Nigeria

Apr 2019 - Aug 2020

OPay (www.operapay.com): Banking and Financial Services.

- Reduced fraudulent agency transactions by 20% by introducing and implementing the OPay Agent Certificate feature for Android.
- Increased crash-free users to 98% by identifying and fixing new and existing bugs, and adding unit tests to all existing domain, data and UI Driven source code.
- Improved code structure, maintainability, and testability by spurring clean code which further improves feature development speed and bug fixing significantly.
- Leveraged knowledge in Kotlin, Clean Architecture, GraphQL, Retrofit, Dagger2, Unit Testing, Gitlab CI, Git, Jira.

Android/iOS Engineer

Vela Solution,
Lagos, Nigeria

Dec 2018 - April 2019

Vela (vela.com.ng): Banking and Financial Services.

- Developed an offline mobile banking Android and iOS application using unstructured supplementary service data (USSD) GSM and SMS protocol for data exchange with the internet server.
- Improved message and payment security by implementing an end-to-end message encryption system using RSA cryptosystem.
- Reduced USSD data exchange size by 34%, by designing a proprietary message compression system which by implication reduced service cost by 8%.
- Leveraged knowledge in Kotlin, Java, Swift, Alamofire, Retrofit, Dagger2, Unit Testing, Git, Jira.

Recent Software Projects

Dodul (<https://heeleeaz.github.io/dodul.io/>): an open-source macOS Touch bar customization App

- Developed a macOS software using Swift and Objective-C that allows users to add their favorite applications and website shortcuts to their MacBook Touch Bar for better accessibility.
- Incorporated persistence data storage to archive website bookmark and application icon, text and URL.
- Added support for website favicon by creating a favicon generator library for macOS while leveraging Gnome libxml2 for HTML parsing.
- Designed a RESTful backend server using Java Spring Framework to enable website bookmark suggestion and app update service.
- Utilized: macOS, Cocoa, Swift, SwiftUI, Notification Service, HotKey, TouchBar API, Unit Testing, LRUCache, Java Spring Boot, HTML/CSS. Amazon S3 and Route 53.

StoryArt ([Playstore link](#)): Video creator and Image editing app for Android

- Created and added support for several photo filters and effects using OpenGL vector graphics rendering library.
- Implement support for audio slicing, video montage, and lossless video rendering using FFMpeg's libavcodec and libavformat.
- Implement support for on-screen graphic object scaling, dragging, skewing, tracing and special effects.
- Designed and implemented a custom Emoji keyboard to support custom and localized glyphs. Incorporated LRUCache for recently accessed glyphs.
- Designed a RESTful backend server using Java Spring Framework and Amazon S3 to manage and store custom emojis and memes.
- Utilized: Android API, OkHTTP, FFMpeg, OpenGL, OpenCV, Java, Kotlin, Unit Testing, Caching, Memory Analyser, Java Graphics, Amazon EC2, S3, SES, Route 53, Java Spring, HTML/CSS for the landing page.

Copula ([Playstore link](#)): Peer-to-peer Video streaming app for Android

- Developed an Android application to enable users to stream songs, videos and view pictures of nearby friends from their own device without the use of the internet.
- Implement video and audio file streaming using HTTP Progressive streaming technology.
- Designed an IP Scanner, to scan all active Copula nodes within a user local network so as to enable pairing and data sharing.
- Utilized: Android API, OkHTTP, WebSocket, HTTP Progressive Streaming, FFMpeg, Networking, Unit Testing, Caching, Memory Analyser, Java Spring, Amazon EC2, S3, SES, Route 53, HTML/CSS for the landing page.

Amas: State Election monitoring and reporting application for Android

- Developed an Android application for monitoring and reporting the Osun state 2019 Governorship election.
- Integrated Amazon Amplify to enable efficient and direct video upload to Amazon S3 cloud storage system.
- Designed an Admin Webpage and RESTful backend server using Java Spring Framework to enable information upload and processing.
- Utilized: Android API, Kotlin, Retrofit, REST, Dagger2, Media Player, Java Spring, HTML/CSS for the landing page.

Skills

Android, iOS, macOS, Web API, AWS, Kotlin, Swift, Java, Golang, C, C++, Javascript, OpenGL, OpenCV, Amazon AWS, S3, SNS, SES, Route 53, GCP, Docker, Kubernetes, Java Spring, Nginx, MySQL, Apache Cassandra, MongoDB, Redis, DynamoDB, SQLite, Clean Code, Unit Testing, Linux, Red Hat, Agile, Jira, OOP.