

Personal Details

Name: Sunday Onwe Chukwumaobim
Email: kr8tiveonwe@gmail.com
Availability: 1 Week
Role: Software Engineer
Language: English (fluent)
Phone: +234 813 4037 947

Profile

An accomplished software engineer with over 5 years of experience in frontend development using React and cross-platform mobile development with React Native. Proficient in modern JavaScript stacks.

Skills

Frontend: **React, React Native, TypeScript, JavaScript ES6, HTML5, CSS3, Tailwind, Material UI, Bootstrap**
Databases: **MongoDB, MySQL, MSSQL**
Frameworks: **Expo, MobX, Redux, Next.js**
Tools & Software: **Git, GitHub, Bitbucket, Agile Scrum, JSON / XML**

Links

[GitHub Profile](#)

[Portfolio Website](#)

Education

ENGINEERING CUSTOMER EXPERIENCE DATA FOR BUSINESS INTELLIGENCE

[HiCounselor](#)

GOOGLE ASSOCIATE ANDROID DEVELOPER (AAD)
Google Africa Developer Scholarship (GADS) program

BSC COMPUTER SCIENCE
Enugu State University of Science and Technology

HIGHER DIPLOMA
Software Engineering - NIIT Abuja Nigeria

Work History

Employer: **Potto Tech Limited**
Period: April 2020 – Present
Role: Lead Mobile Engineer (Full-time)
Website: [Potto NG](#)

Potto Tech Limited is a forward-thinking security solutions company dedicated to early security threat detection and swift responses for student safety, achieved through cutting-edge technology. It employs a decentralised approach, where various apps manage different ecosystem aspects, enabling clients to deploy according to their specific requirements.

Potto Secure - School Security: [View in PlayStore](#)

Potto Secure is a security management solution developed to help primary and secondary schools guard their students against various security threats faced by learners by monitoring, tracking and reporting all critical instances of a student movement using QRcode, NFC and mobile technologies.

I was tasked with the responsibility of Implementing the user interface with the designs delivered by the UI/UX team and integrating to complex GraphQL based API services. I also implemented the guardian validation system, digital visitor manager, students school in-and-out tracking, and school bus tracking.

Responsibilities:

- Developing and maintaining the mobile app.
- Testing the user interface components using Jest.
- Maintaining and restructuring the existing code structure to suit current and subsequent features.

Technologies: React Native Expo, TypeScript, Tailwind, Jest, Git, GitHub, Redux, GraphQL

Potto Care - Kids Activities: [View in PlayStore](#)

Potto Care is a revolutionary and user-friendly mobile application designed to empower parents with unprecedented control and accessibility over their child's

educational journey - the all-in-one School Parent App! With a comprehensive array of features, bringing convenience and peace of mind to every parent's fingertips.

I was responsible for implementing the user interface based on the designs provided by the UI/UX team. Additionally, I integrated complex GraphQL-based API services. I also implemented the guardian validation system, managed wards from various schools, monitored attendance, handled school wallet funds, accessed ward results, facilitated school fee payments, and more.

Responsibilities:

- Developing and maintaining the mobile app.
- Testing the user interface components using Jest.
- Maintaining and restructuring the existing code structure to suit current and subsequent features.

Technologies: React Native Expo, TypeScript, Tailwind, Jest, Git, GitHub, Redux, GraphQL

Potto Store - School eStore: [View in PlayStore](#)

Potto Store is an ingenious and user-centric application designed to transform the way school shopping is done. This innovative platform caters to both students and parents, providing a seamless shopping experience within the school premises and from home.

For students, Potto Store offers the convenience of cashless transactions using their smart cards. With a simple tap of their smart cards, students can purchase various items, including stationery, books, snacks, and other school essentials. The smart card system ensures secure transactions.

I implemented the user interface based on UI/UX team designs, integrated complex GraphQL-based API services, and implemented Smart Card Integration for access, Product Catalog, Secure Transactions, Payment Processing, Inventory Management, Order History, Notifications, Feedback Mechanism, and more.

Responsibilities:

- Developing and maintaining the mobile app.
- Testing the user interface components using Jest.
- Maintaining and restructuring the existing code structure to suit current and subsequent features.

Technologies: React Native Expo, TypeScript, Tailwind, Jest, Git, GitHub, Redux, GraphQL

Potto Pocket - Student Funds: [View in PlayStore](#)

Potto Pocket is a cutting-edge application that is set to transform the way students handle their funds within the school environment. Potto Pocket empowers students

to effortlessly manage their finances, making deposits and withdrawals with ease, anytime, anywhere.

I designed and implemented the user interface in line with the UI/UX team's designs, seamlessly integrated complex GraphQL-based API services, and developed essential features such as Fund Management, Deposits and Withdrawals, Real-Time Transactions, Fund Tracking, and many others.

Responsibilities:

- Developing and maintaining the mobile app.
- Testing the user interface components using Jest.
- Maintaining and restructuring the existing code structure to suit current and subsequent features.

Technologies: React Native Expo, TypeScript, Tailwind, Jest, Git, GitHub, Redux, GraphQL

Employer: **Lloydant Technologies**

Period: June 2020 – November 2020

Role: Android Developer

Biotrac - Biometrics-Based Attendance System:

Biotrac is a biometrics-based attendance system that employs a fingerprint-based device to collect and consolidate student attendance data. It utilises a cloud-based system to securely store and retrieve reports for school owners.

Responsibilities:

- Developed and maintained the mobile app.
- Oversaw various facets of the Android app lifecycle, from initial research and planning to deployment and providing post-launch support.
- Integrated offline storage, performance optimization, and threading into the application to ensure smooth and uninterrupted user experience.
- Integrated and enhanced the device fingerprint android SDK speed and responsiveness.

Technologies: Java, XML, Git, GitHub, GraphQL

Employer: **Emmerse**

Period: February 2021 – October 2021

Role: Lead Mobile Engineer

Emmerse - VR-Based Anatomy System:

Emmerse is a mobile VR-based solution for medical students in universities across the country to access the most complete, scientifically accurate virtual human body ever assembled. Students and lecturers alike can view human anatomy, health conditions, and treatments, all visualised in interactive 3D. Students can also take

topic-tailored tests on the platform and receive detailed feedback on areas to improve in their studies, and more.

I designed and implemented the user interface in line with the UI/UX team's designs, seamlessly integrated complex GraphQL-based API services, incorporated the robust Biodigital anatomy model API, created a quiz system sorted by topics, implemented a filtering mechanism, and established the subscription model for payment remittance, among other tasks.

Responsibilities:

- Developed and maintained the mobile app.
- Contributed ideas and suggestions in team meetings and delivered updates on deadlines, designs and enhancements..
- Collaborated with cross-functional development team members to analyse potential system solutions based on evolving client requirements.

Technologies: React Native Expo, AdobeXD, TypeScript, Tailwind, Git, GitHub, MobX, GraphQL

Employer: **Looptrace**

Period: March 2022 – Present

Role: Lead Mobile Engineer

Trupass - Estate Security: [View in PlayStore](#)

Trupass is a solution for managing access in and out of an estate. Users can easily register with their details and allow seamless entry and exit for themselves and guests.

I designed and implemented the user interface in line with the UI/UX team's designs, seamlessly integrated complex GraphQL-based API services, and developed essential features such as User authentication, Entry and Exit control, Panic system, estate levy collection and many others.

Responsibilities:

- Developing and maintaining the mobile app.
- Testing the user interface components using Jest.
- Maintaining and restructuring the existing code structure to suit current and subsequent features.

Technologies: React Native Expo, TypeScript, Tailwind, Jest, Git, GitHub, Redux, GraphQL

Employer: **IGenie**

Period: August 2018 – January 2020

Role: React Developer

IGenie Care - Geriatric Care System:

IGenie Care is a healthcare system tailored to the distinct medical and social needs of elderly individuals. It prioritises diagnosis, treatment, and well-being, with a focus on health promotion, chronic condition management, and improving the quality of life in the ageing population. This comprehensive solution encompasses medical care, nursing services, rehabilitation, and patient identification tags for wandering patients.

Responsibilities:

- Strategically designed and created interfaces to streamline management and provide user-friendly functionality.
- Designed and maintained the administrative dashboard displaying vital patient charts.
- Developed and maintained the user interface for creating, updating, and displaying patient profiles ensuring data accuracy and security.
- Created a care plan builder that allows care providers to customise and manage individualised care plans for each patient.
- Implemented electronic health record (EHR) functionalities, enabling healthcare professionals to access and update patient medical records securely
- Developed a scheduling system for appointments, manage calendars, and provide reminders through a user-friendly interface.

Technologies: NextJs, Material-UI, Git, GitHub, GraphQL, Chart.js, Redux

Pet Projects

Foodie - Food Recipe: [Source Code](#)

A food recipe app that allows users to see a variety of different dishes and allows them to bookmark recipes for reference purposes.

Responsibilities:

- Display a wide range of dishes with images and detailed descriptions.
- Implemented search functionality and filters to help users find specific recipes or categories of dishes.
- Provided detailed information for each recipe, including ingredients, preparation steps, cooking time, and serving size.
- Enables users to bookmark or save their favourite recipes for easy access later.
- Connect to external sources for recipe data, such as ingredient details and nutritional information.
- Allow users to share recipes with friends through social media or messaging apps.

Technologies: React Native Expo, Material-UI, Git, GitHub, Async Storage, React Navigation, Typescript

FilmFusion - Movie App: [Source Code](#)

FilmFusion is an innovative movie recommendation and exploration app. It harnesses advanced algorithms to analyse movie preferences and offers tailored suggestions.

Responsibilities:

- Utilised advanced algorithms to analyse user movie preferences and provide tailored movie suggestions.
- Enables users to search for movies by title, genre, actors, or directors.
- Provides comprehensive movie details, including summaries, cast, release dates, and ratings.
- Lets users mark movies as favourites and add them to a watchlist for future reference.
- Enables filtering movies by genres, categories, and release years.

Technologies: React Native Expo, Git, GitHub, Async Storage, React Navigation