

Isaac Ted *Android Engineer*

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Personal Statement

Mobile App Engineer with 3+ years' experience building secure, scalable mobile payment solutions. Specialized in NFC, POS systems, and API integration, with a proven track record of launching fintech apps that drive revenue growth, financial inclusion, and performance optimization.

Work Experience

2022/10 – present
Nairobi, Kenya

Android Engineer

Little Limited

As an Android engineer in the company, I achieved the following:

- **Enhanced Payment Options:** Designed and integrated a Tap-to-Pay feature using Android NFC, expanding payment methods while ensuring compliance with industry security standards.
- **Increased Revenue:** Developed and launched a logistics feature module that contributed to a 10% increase in platform revenue by enhancing service offerings and user engagement.
- **Created New Revenue Stream:** Implemented a PDQ/POS application supporting Visa, Mastercard, M-Pesa, and Little Pay, unlocking a new revenue stream and improving customer payment flexibility.
- **Improved Operational Efficiency:** Streamlined student identity verification for shuttle drivers in the India branch by implementing RFID-based automation, reducing boarding and alighting time by 70%.
- **Boosted App Performance:** Collaborated with designers and back-end teams to optimize features, achieving an 8% improvement in load time and raising user satisfaction scores.
- **Pioneered Cross-Border NFC Payments:** Conceptualized, designed, and developed *Tourist Tap*, an Android application leveraging NFC technology to enable tourists to make instant debit/credit card payments to local merchants. Delivered end-to-end architecture, security compliance, and seamless user experience, showcasing expertise in mobile financial services innovation.

2024/12 – 2026/01
Addis, Ethiopia

Android Engineer Consultant (Remote, Part-time)

Kifiya Financial Technology

As an Android engineer in the company, I achieved the following:

- **Enabled Agricultural Subsidy Distribution:** Developed the *E-Voucher* app, empowering the Ethiopian government to entitle farmers to fertilizer purchases via cash or credit.
- **Innovated NFC-Based Distribution:** Built functionality for farmers without phones to redeem fertilizers using NFC tags containing entitlement data (purchases, loan info, and credits).
- **Supported Financial Inclusion:** Delivered a solution that increased transparency and accessibility in rural communities, enabling efficient distribution of subsidies and reducing fraud.

2022/08 – 2022/10
Nairobi, Kenya

Android Developer

Fortcom Realtors Limited

As an Android Developer, I achieved the following:

- **Enhanced Property Browsing:** Designed and developed a real estate Android app, enabling users to browse and view available land and properties, improving user engagement and discovery.
- **Streamlined Inquiries:** Implemented in-app features allowing users to contact property owners directly, reducing inquiry response times and enhancing user experience.
- **Backend Integration:** Built and integrated a Firebase-powered backend for real-time updates and seamless data synchronization, ensuring reliable performance and scalability.

2021/12 – 2022/02
Nairobi, Kenya

Android Developer (Internship)

Msimbo IT

As an Android intern, I achieved the following:

- **Enhanced Patrol Tracking:** Developed an Android application for security guards to clock in, scan QR codes along assigned routes, and clock out at the end of their shifts, improving route adherence and shift management.
- **Improved Accountability:** Enabled security firm owners to access real-time tracking and detailed patrol reports, strengthening oversight and operational efficiency.
- **Backend Integration:** Integrated the app with a backend system using RESTful APIs and Retrofit, ensuring seamless real-time data synchronization and a smooth user experience.

2021/12 – 2022/03

Flutter Developer

Boss City Keys

In this role, I collaborated with a team to achieve the following:

- **Developed a Car Tracking app:** Collaborated with the team to build an app allowing car owners with Boss City Keys trackers to monitor real-time vehicle locations and access detailed car information, enhancing user convenience and vehicle security.

Skills

Android development

- Expertise in **Android SDK**, **NDK**, and **Kotlin**, with a strong foundation in **Java**.
- Extensive experience with **Gradle** for dependency management and project builds.

Kotlin Programming

Proficient in Kotlin programming with a year of practical experience.

POS and Payment Systems

- Experience working with **NFC** and developing **payment solutions** for POS devices, ensuring compliance with industry standards.

Unit Testing

Experience with JUnit and Mockito for Android applications.

Encryption

Familiar with encryption technologies such as AES and GSM.

Web Development

Skilled *in* web development with an experience of one year.

Java Programming

Skilled in Java language programming having interacted with it for 3 years.

Object-Oriented Design (OOD) and Design Patterns

- Strong understanding of **OOD**, **Design Patterns**, and **best practices** in scalable application development.

API Integration

- Specialized in **RESTful services** integration to enable seamless data transfer between client and server-side systems.

UI/UX Design

Skilled in UI/UX design principles with two years of experience.

Version Control and Collaboration

Proficient in using tools such as **Git**, **Jira**, and **Confluence** for collaborative software development and task management.

Projects

Little PDQ

Android POS app supporting Visa, Mastercard, M-Pesa, and Little Pay.

Little Apps

Enhanced Little Cab Rider and Driver apps with new features and performance improvements.

Little Playstore Link: [Little App](#) 

Little Agent Playstore Link: [Little Agent App](#) 

Tourist Tap

NFC app enabling tourists to pay local merchants via debit/credit cards.

Playstore Link: [Tourist Tap](#) 

Awards

Android and Web Developer Certificate

Zalego Academy

Leadership Certificate

Linkedin

References

Stanley Karanja, *Head of AgTech*, Kifiya
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