

FRANKLIN P. OKOTH

SOFTWARE ENGINEER

CONTACT

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GitHub: <https://github.com/Psychedelic-313>

Location: Nairobi, Kenya

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PROFESSIONAL SUMMARY

Resourceful and forward-thinking Software Engineer skilled in Kotlin, Java, Python, and SQL, specializing in Android mobile development, backend systems, and scalable software architecture. Experienced in building scalable applications using RESTful APIs, Firebase, MVVM, and Jetpack Compose. Strong foundation in Object-Oriented Programming (OOP), Boolean Logic, and the Software Development Life Cycle (SDLC), with growing expertise in AI, full stack development, and VR technologies. Passionate about delivering clean, efficient code and continuously expanding technical skills to innovate and solve complex problems.

Skills

Languages & Logic: Kotlin · Java · Python · JavaScript · Boolean Logic · Mathematical Logic

Backend & Systems: REST APIs · Firebase · Microservices · Git · SDLC · PostgreSQL

Mobile Development: Android SDK · Jetpack Compose · MVVM · Coroutines · Hilt

AI & Problem Solving: Python for AI · Scikit-learn · Prompt Engineering · Data Structures & Algorithms (DSA) · Test Driven Development (TDD)

Development Practices: Agile · Git · Unit Testing · CI/CD

Emerging Interests: Full-Stack (Django, MongoDB) · Unity SDK

WORK EXPERIENCE

Software Engineering Intern

July 2023 - September 2023

Telkom Kenya Ltd

- Developed and tested new features for Telkom's T-Kash mobile financial platform using Django and Oracle DB.
- Resolved backend software bugs and maintained internal technical documentation.
- Configured Telepin for mobile-based financial transactions and integrated secure APIs.
- Participated in Agile sprints with cross-functional teams; contributed to planning, stand-ups, and retrospectives.
- Supported internal security assessments and vulnerability scans; assisted in log monitoring and anomaly detection.
- Gained exposure to penetration testing protocols, NAT, VPNs and DDoS mitigation

ACADEMIC HISTORY

University of Eastern Africa, Baraton

2020 - 2025

Bachelor of Science in Software Engineering

- Upper Second-Class Honors
- Huawei ICT Academy & BITSA club member

CERTIFICATIONS

Quantum Enigmas | 2025

IBM

Entanglement · IBM Quantum Composer · Logic Gates · Quantum Computing · Quantum Gates · Qubit Manipulation · Superposition

Cloud Skills Challenge at Build 2024

Microsoft

Artificial Intelligence · Microsoft Azure · Azure Machine Learning

AI Fundamentals | 2024

IBM

Artificial Intelligence · AI applications · AI Capabilities · AI Ethics · Artificial Neural Networks · Chatbots · Computer Vision · Deep Learning · Machine Learning · Natural Language Processing · Watson Studio

REFEREES

Nicholas Kandege

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