



Franklin P. Okoth

Software Engineer

I am a logic-driven and solutions-oriented Software Engineer with a strong foundation in Kotlin, Python, Java, SQL, Boolean Logic, mathematical logic, object-oriented programming, and the software development life cycle (SDLC). I specialize in designing and developing backend systems, mobile applications, and full-stack architectures that are both efficient and scalable, with a focus on delivering secure, high performance digital experiences.

My work is grounded in clean architecture, modular thinking, and functional logic, which allows me to build systems that are not only technically sound but also resilient, maintainable, and user-centric. I thrive at the intersection of precision and creativity, where engineering meets real world impact.

In addition to my core technical capabilities, I am deeply interested in emerging technologies such as Artificial Intelligence (AI), Machine Learning, and Virtual Reality (VR). My long term vision is to integrate these technologies into future forward platforms that redefine how users interact with software systems. I am particularly passionate about building immersive, intelligent, and responsive applications that go beyond conventional UX boundaries.

I value clarity, innovation, and intentionality in everything I design. Whether working solo or collaborating across teams, I bring a proactive mindset, sharp problem solving instincts, and a relentless commitment to continuous improvement and excellence in execution.

Skills: Backend & Full-Stack Development, Mobile Development (Android - Kotlin, Java), Software Development Life Cycle (SDLC), Object-oriented programming (OOP), Database Management & SQL, Boolean & Mathematical Logic, Clean Architecture & Modular Systems, AI & Machine Learning Foundations, Functional Thinking & Logical Design, Code Optimization & System Efficiency, Cross functional Collaboration & Agile Delivery

Contact

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Education

2020-Present
BSc. Software Engineering
University of Eastern Africa, Baraton

2016-2019
Kenya Certificate of Secondary
Education (KCSE)
Maranda High School

Expertise

- Analytical Skills
- Problem Solving
- Teamwork
- Communication
- Accountability
- Time Management

Languages

- English
- Kiswahili
- French

Experience

July 2023 - September 2023
Telkom Kenya Ltd | 30301 Ralph Bunche Rd, Nairobi
Student Intern

I worked in three departments:

1. *IT Service Desk Department*
 - Diagnosed and resolved IT issues related to hardware, networking, printer setups, and software installations
 - Handled passwords resets, intranet troubleshooting, and general user support.
2. *IT Security Department*
 - Supported security assessments and vulnerability scans
 - Monitored logs for anomalies and contributed to threat detection efforts.
 - Gained experience with NAT, VPNs, web filtering, DDoS mitigation and penetration testing protocols.
3. *Mobile Financial Services (MFS) Department*
 - Developed and tested new features for Telkom's mobile financial products (T-Kash).
 - Resolved software bugs and maintained technical documentation.
 - Configured Telepin to support mobile-based financial transactions.
 - Collaborated in Agile teams and participated in daily stand-ups, planning sessions, and retrospectives.
 - Worked with technologies including Django and Oracle DB.

Technologies used: Django, Oracle DB, Telepin, Agile, Security Scanning Tools

Key Skills Gained: Software Development, Cybersecurity, Agile Methodology, UI Prototyping, Network Security, System Troubleshooting.

Certifications

- Cloud Skills Challenge at Build 2024**
Microsoft- Issued 21 June, 2024

Skills: Artificial Intelligence, Microsoft Azure, Azure Machine Learning
- Artificial Intelligence Fundamentals**
IBM- Issued 8 June, 2024

Skills: Artificial Intelligence, AI applications, AI capabilities, AI Ethics, Artificial Neural Networks, Chatbots, Computer Vision, Deep Learning, Machine Learning, Natural Language Processing, Watson Studio
- Programming in C**
Sololearn- Issued 9 August, 2021

Skills: C(Programming language)

Referees

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