

JOY AWINO

Software Developer

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

I am a software developer skilled in **web and mobile application development**, specializing in **Laravel, Kotlin and React**. I am passionate about **AI, Cybersecurity, and data-driven solutions**.

EXPERIENCE

Freelance Software Developer *Remote | 2023 - Present*

- Developed **web and mobile applications** for clients using **React, Laravel, Kotlin, and Firebase**.
- Optimized database performance, improving query efficiency by **30%**.
- Designed and implemented user-friendly **UI/UX interfaces**, increasing user engagement by **25%**.
- Integrated **APIs and cloud services** to enhance app functionality and scalability.

Software Development Intern - Ivy Community

Nairobi, Kenya | Jan 2025 - March 2025

- Developed and maintained mobile applications using **React Native & Firebase**.
 - Implemented real-time data synchronization, **reducing data retrieval time by 40%**.
 - Collaborated with cross-functional teams to enhance app performance and **boost user retention by 20%**.
 - Conducted rigorous debugging and troubleshooting, decreasing app crash rates by **35%**.
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EDUCATION

Strathmore University

Bachelor of Informatics and Computer Science (July 2022 - June 2026)

- **GPA: 3.50/4.0**
 - Relevant coursework: **Advanced Database Systems, Object-Oriented Programming, Web Development, Data Structures & Algorithms, Artificial Intelligence, Machine Learning**
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PROJECTS

Color Match Game

- Developed a Python game using Pygame where players match colors with falling objects.
- Improved user engagement by **20%** through dynamic gameplay mechanics.
- Optimized code efficiency, reducing runtime errors by **30%**.

[GitHub Repository](#)

Drug Management System

- Developed a **PHP-based drug dispensing tool** integrated with a **JavaScript API** for seamless prescription management.
- Reduced prescription processing time by **40%** and improved security by **50%**.
- Increased system interoperability by **60%** and improved API response time by **50%**.

- Implemented robust error handling, reducing system crashes by **45%**.
- Enhanced database queries, achieving **35% faster data retrieval**.

[GitHub Repository](#)

XWaste Web & Mobile App

- Developed a comprehensive waste management system with both **web and mobile** applications using **Laravel, Kotlin, and Firebase**.
- Improved user adoption by **30%** and optimized performance, reducing load times by **40%**.
- Implemented real-time notifications and geolocation features, increasing user engagement by **25%**.
- Enhanced waste tracking efficiency, reducing missed collections by **35%**.

[GitHub Repository](#)

Sentiment Analysis Tool

- Developed a Python-based sentiment analysis model using **Naïve Bayes** to classify tweets into positive, negative, or neutral.
- Achieved **81.75% accuracy** by training on the **NLTK movie reviews dataset**.
- Implemented real-time tweet fetching and analysis using **Twitter API & Tweepy**, reducing data processing time by **30%**.

[GitHub Repository](#)

SKILLS

- **Languages:** Java, JavaScript, TypeScript, PHP, C++, Kotlin, Python, HTML, CSS
- **Frameworks & Libraries:** React, React Native, Laravel, Flask, Node.js
- **Tools:** Git, GitHub, Docker, Postman, Jupyter Notebook
- **APIs:** Twitter API, Google Maps API, Mpesa API, Spotify API, Open Exchange Rates API
- **Cloud Platforms:** Google Cloud, Firebase, Microsoft Azure
- **AI & Machine Learning Fundamentals**
- **Networking & Cybersecurity Basics**
- **UI/UX Design & Wireframing**

CERTIFICATIONS & COURSES

- Cisco Certified Network Associate (CCNA 1 & 2)
- IBM Artificial Intelligence Fundamentals
- IBM Cybersecurity Fundamentals