

Personal Details

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Profile Portfolio: <https://jkangogo.github.io>

GitHub: <https://github.com/jkangogo>

Professional Summary

I am a performance-oriented Software Engineer with over 5 years of experience developing full-stack web and mobile applications. My skills include mastery of Kotlin, Java, JavaScript, PHP, WordPress, Joomla, and RFID/NFC/IoT solutions. I specialise in combining my technical expertise with strategic, analytical abilities to develop creative software solutions that have achieved over 95% end-user satisfaction and 99% compatibility on devices. I possess a balance of versatility and expertise in the Software Development Life Cycle (SDLC), Git, Jira, API integration, and tech writing. I have applications listed on the Play Store, and I have also done several projects (<https://jkangogo.github.io>). I not only believe in continuous learning and tech mentorship, but also dedicated to delivering solutions that push the boundaries of innovation.

Experience

JANUARY 2022 – NOVEMBER 2024

Software Engineer (Remote) | J-Class Solutions Inc. | Danbury, CT

- Programmed RFID/NFC/BLE IoT devices for home automation, collaborating remotely with a team of five engineers to achieve 95% user satisfaction and a 45% reduction in manual interactions.
- Developed AI algorithms for an LLM Autocomplete app, improving text prediction accuracy by 30%.
- Leveraged Java-pi4J, Python, and API integrations to deliver scalable IoT solutions using SDLC.

JANUARY 2021 – FEBRUARY 2024

Freelance Software Engineer (Remote) | LD Talent | California

- Built web and mobile apps with Kotlin, JavaScript, and PHP, reducing delivery times by 20% through refined code and workflows.
- Designed UI/UX wireframes for 10+ remote projects, boosting user engagement by 25%.
- Wrote SEO-optimised technical content, increasing client web traffic by 150%.

AUGUST 2023 – APRIL 2024

Research Admin (Contract) | GIZ, Kenya | Nairobi

- Analysed 50+ policy documents and conducted 15 stakeholder interviews, drafting a software sector report adopted by 90% of GIZ and the stakeholders of Kenya's Ministry of ICT & Digital Economy (MICDE).
- Formulated 10 strategic actions, cutting time-to-innovation by 18 months.
- Applied data analysis, technical writing and R&D skills to enhance report impact, achieving 90% adoption 90% and reducing policy implementation time by 18 months..

NOVEMBER 2023 – JANUARY 2024

Web developer (Contract) | Prime Dimensions Ltd. | Nairobi

- Developed a Joomla website with custom HTML, CSS, and PHP, achieving 99% device compatibility and 200% traffic growth via SEO.
- Perfected CMS updates, saving 10 hours/week in maintenance.
- Created 10,000+ words of content, improving user retention by 75%.

NOVEMBER 2020 – APRIL 2021

Software Engineer (Internship) | 3modern Systems Ltd. | Nairobi

- Reverse-engineered a web-based rental system into ThreePManager (Kotlin), reducing rental losses by 15%.
- Published ThreePManager to Google Play Store, integrating MySQL to manage 500+ tenant records with 99% data accuracy, reducing rental loss tracking errors by 15%.
- Collaborated via Git and Jira with a 5-member team, completing 95% of project milestones on time and reducing development cycles by 20% through efficient version control.

Personal Projects (Independent) | Self-directed | Nairobi

- Developed Tic-Tac-Toe (Kotlin), a Play Store game (<https://play.google.com/store/apps/details?id=com.threemsystems.kangsgame>) with a simple and clean UI/UX, gaining 25+ downloads within 2 weeks.
- Developing LitShelf, a book management app with search, favourites, download, and offline features, achieving 80% feature completion and targeting 1,000+ downloads within 3 months of launch on the Google Play Store.
- Built a responsive portfolio website (<https://jkangogo.github.io>) with HTML, CSS, and JavaScript, showcasing 5+ projects and achieving 100% cross-device compatibility, driving 50+ monthly unique visitors.

Education

MARCH 2022

- **Bachelor of Science in Information Technology | Kibabii University | Kenya**

Skills

Mobile Development: Kotlin, Java, Flutter, Android Studio

Web Development: HTML, CSS, JavaScript, PHP, WordPress, Joomla, React (learning), Laravel (learning)

Databases: MySQL, PostgreSQL, MongoDB

IoT: RFID/NFC/BLE, Java-pi4J, Python, Raspberry Pi, Odroid

Tools & Processes: Git, Jira, API Integration, SDLC, Technical Writing, SEO

Training & Awards

Fundamentals of Cybersecurity: Certificate | 2021

Data Science: Certificate | 2021

Machine Learning: Certificate | 2021

WordPress: Certificate | 2020

IT Industrial Training: Certificate | 2019