

ISAAC RICHU KARANJA

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EXPERIENCE

THALES SOFTWARE LTD.

June 2024 – August 2024

Attaché, Mobile Developer

- Directed and shaped a backend structure of an employee management system.
- Developed UI design using plain XML code applying interactive designs.
- Designed and deployed 2 e-learning portals, and 2 e-commerce platforms using Bootstrap.
- Modeled a Learning Management System during a 2-month coding attachment

PROJECTS

MUSIC PLAYER AND YOUTUBE MUSIC DOWNLOADER

January 2024 – March 2024

- Leveraged multithreading in Flutter to enhance user experience without blocking the main thread.
- Implemented AI-based search to improve search efficiency and productivity.
- Designed an intuitive, user-friendly interface.
- Applied Component-Based Software Engineering principles for reusable and maintainable code.

ECCORMCE MOBILE APPLICATION

September 2023 – January 2024

- Built using Flutter (Dart) for the frontend and Spring Boot (Java) for the backend.
- Integrated user authentication, CORS configuration, and geolocation-based delivery cost estimation.
- Enhanced efficiency with optimized search, pagination, and AI-driven user queries.
- Ensured data security through encryption and customized an M-Pesa payment gateway.
- Applied data analysis for personalized user experiences.

POINT OF SALE SOFTWARE FULL PACKAGE

September 2022 – February 2023

- Developed using React.js with Material UI and Spring Boot (Java) backend.
- Designed a user-friendly interface with barcode scanning capabilities.
- Integrated data analysis features for business insights.

EDUCATION

KIRINYAGA UNIVERSITY

Kirinyaga, Kenya

Bachelor of Science; Software Engineering

September 2022 -Present

- Active member of the Mobile Development, Hackathon, and Web Development clubs.

NJORO BOYS HIGHSCHOOL

Nakuru, Kenya

Secondary School; High School

January 2017 – December 2021

- Awards: Academic Scholar, Best Student.
- Leadership: Class Representative, School Councilor.

ADDITIONAL

Technical Skills: Flutter, Dart, Java, C#, C++, Python, HTML/CSS, JavaScript, TypeScript, MATLAB, SQL, Git, React.js, Firebase

languages: Fluent in English and Kikuyu; Conversational proficiency in Swahili

Certifications: Microsoft Team Professional (Ongoing), Data Structures & Algorithms Specialization (Ongoing), Cybersecurity (Ongoing)

Tools & Software: Visual Studio Code, PyCharm, IntelliJ, GitHub, Dev C++

Soft Skills: Organized, creative, communicative, critical thinker, strong leader, adept at multi-tasking

Other: Proficient in MS Office, Windows, Linux/Unix systems, Ethical Hacking, and Penetration Testing