

NELSON GUTO KIMAIGA

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PROFESSIONAL SUMMARY

I am a versatile and accomplished Information Technology professional who possesses a strong track record in developing and executing IT strategies; specializes in software engineering and development. Has a versatile skill set fostered from extensive experience gained from working in deadline-driven organizations. Looking to leverage these assets to work in the attainment of organizational and personal goals.

TECHNICAL SKILLS

- **Programming Languages** – Java, JavaScript, TypeScript
- **Libraries** – ReactJS, React Native
- **Frameworks** – Angular, Spring Boot, Maven, Junit
- **Development Tools** – Git, Docker, Hibernate, CI/CD(GitHub Actions), REST, Grafana, VS Code, Linux, JIRA, FIGMA.
- **Databases** – NoSQL(MongoDB, Redis), Relational Databases (MySQL, PostgreSQL).
- **Cloud Platforms** – AWS, Digital Ocean, Google Cloud Platform(GCP).
- **Open Source tools** – DHIS2, OCL, OpenMRS, HL7 FHIR, WordPress
- **Soft Skills** - teamwork, communication, adaptability, continuous learning, team leadership.

EXPERIENCE

Senior Digital Health Software Engineer – IntelliSOFT Consulting

May 2023 - March 2025

- Co-led the technical design, planning, and execution for Health Information Systems projects, ensuring adherence to best practices.
- Implemented LLM and FHIR-based integrations for healthcare interoperability, leveraging HL7 standards for seamless data exchange with backend ERP systems.
- Served as the part of the development team on selected EMR projects, working with OpenMRS, customizing and extending its functionality for electronic medical records (EMR) management.
- Documented, maintained, and troubleshooted electronic health information systems, improving IntelliSOFT's HIS solutions.
- Provided technical support for HIS implementations, including bug fixing and system administration.

FullStack Engineer – Jubilee Health Insurance Limited

November 2022 – April 2023

- Collaborated with cross-functional teams to deliver seamless multi-platform and responsive web and cross-platform mobile apps for Android and iOS tailored for digital health wellness from concept to production.
- Translated user requirements into functional solutions, optimizing app performance.
- Standardized platforms to minimize duplication of effort and improve time-to-market timelines.

Software Engineer – UBIQPay Limited**July 2021 – October 2021**

- Worked as a back-end engineer handling end-to-end payment integrations spanning B2C, B2B, C2B workflows, payment gateways for mobile and banking services, including Cellulant(Ting), MPESA, Airtel, MTN MOMO, MaliTel and Orange Money.
- Developed checkout, prizeing job, ticketing and lottery systems for gaming/betting workflows.

Software Engineer – LCT Africa**January 2020 – June 2021**

- Worked as fullstack engineer in the core development team that worked on the LCT Africa Healthcare Administration System used by underwriters, leading to improved user experience for relaying of clinical data, eclaims processing and remittance workflows.
- Took lead in team projects integrating HMIS software such as Care2000, Kranium & Med360 to the primary LCT platform with other healthcare providers and Tiered hospitals to stream and process eclaim information.
- Collaborated with team members to design functional logic and guide associate developers.
- Provided technical support and handled troubleshooting for technical problems in collaboration with the team of support engineers.

FullStack Developer – Compulynx Limited**May 2018 – December 2019**

- Developed and modified the COMPAS bio-metric platform modules based on preset functional and system requirements whose key objective was to automate over the counter (OTC) workflows at Post Bank Uganda and Equity Bank Kenya.
- Worked closely with the technical team lead, business analyst and product owner for collation and analysis of the functional and system requirements.
- Participated in joint testing processes and Quality Assurance through unit testing and bug fixes.
- Refactored legacy applications and handled integrations using a newly defined tech stack of Spring Boot and Angular.
- Worked alongside other engineers as part of an agile team.

Software Developer – African Academy of Sciences**October 2016 – April 2018**

- Conducted system analysis and designed an online Community of Practice platform to integrate key user groups and programs.
- Scoped user needs with internal and external stakeholders, reviewed open source platforms, and developed in-house systems to meet user requirements.
- Coordinated application design and implementation, maintained developed systems, and provided technical documentation and training for end-users.

Junior Software Developer – Moringa School**May 2015 – September 2016**

- Developed and worked on internal projects and external projects for external consultancy clients.
- Wrote extensible and maintainable code as part of an agile team.
- Collaborated with other team members to determine the best design specifications and details.
- Jointly analyzed stakeholder requirements for submission to project managers.
- Modified existing software to correct errors, upgrade interfaces and improve performance.

EDUCATION

Strathmore University

2014-2015

Bachelor in Business Information Technology (BBIT)

Relevant Coursework: Computer Organization and Architecture, Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Web Application Programming, System Analysis and Design.

Strathmore University

2011-2013

Diploma Business Information Technology (DBIT)

CERTIFICATIONS

Moringa School

2015

FullStack Software Engineering Bootcamp

REFERENCES

Available On Request