



NELSON GUTO KIMAIGA

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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

Web Services and RESTful API design

agile methodologies (Scrum)

Relational Databases - MySQL/MSSQL/PSQL

Java EE -Spring Framework/Hibernate

Python

JavaScript(React Framework)

Linux/Unix CLI

Object-Oriented Analysis and Design

Version Control/CI- Git

PHP(Laravel)

PROFESSIONAL EXPERIENCE

Senior Digital Health Software Engineer & Deputy Team Lead

Intellisoft Consulting

April 2023– Present

Tools used: Git, React, JAVA, AWS, Docker, PSQL, JIRA

Achievements/Tasks

- Serve as the technical point person on assigned projects and provide technical design, planning and execution as required.
- Design, build, document, maintain, and troubleshoot electronic health information systems as will be required from time to time.
- To document, Maintain, and Own technical artifacts, internal knowledge base, best practices, and templates for all integrations; bringing in industry knowledge as appropriate to improve IntelliSOFT's HIS solutions.
- Following best practices for agile software development, participating in team meetings, developing features according to their acceptance criteria, creating unit tests to ensure features are well designed and testable and ensuring that appropriate Quality Assurance (QA) is completed.
- Providing technical support to HIS implementations, including bug fixing, application troubleshooting, and necessary system administration.
- Traveling to IntelliSOFT-supported project sites as needed to provide direct support and build local capacity.
- Assisting in recruitment of engineering team members
- Providing supervision to assigned team members, including approval of timesheets.
- Providing support to business development by contributing to the writing of proposals on a need basis
- Participating and contributing to open-source software communities of practice as well as championing and promoting the Principles of Digital Development.

Full-Stack Engineer

Jubilee Health Insurance Limited

November 2022– April 2023

Tools used: Git, React-native, React(Web), PHP, MongoDB, AWS, Docker, SQL

Achievements/Tasks

- Working to deliver across the entire Web/app lifecycle – concept, design, build, deploy, test, release to app stores and support. This involves closely with other developers to deploy seamless multi-platform and responsive apps.
- Working closely with business teams and other developers to conceptualize, build, test, and realize digital applications.
- Gathering requirements around functionality and translate those requirements into elegant functional. solutions.
- Building prototypes at technical scoping stage of projects.
- Working along the other Full Stack developers to create and maintain a robust framework to support the core business applications and other customer focus initiatives.
- Working with the vendor developers to build and integrate user interfaces to create compelling device specific user interfaces and experiences.
- Standardising the platforms to minimize duplication of effort and improve time-to-market timelines.
- Continuously re-factoring to optimize performance for the apps.
- Keeping up to date on the latest industry trends in the web technologies space.
- Explaining of technologies and solutions to both technical and non-technical stakeholders.
- Attending industry events/ conference – both attending and presenting.

Senior Software Engineer

UBIQPay Limited

July 2021– October 2022

Tools used: Git, React, Java EE, Spring-Boot, AWS, Google, Grafana

Achievements/Tasks

- Participating in the design and development of JAVA applications from requirements to production.
- Constantly improving software quality
- Identification of performance bottlenecks
- Mature software development practices, code reviews, package management and CI/CD.
- B2B, C2B Payment Gateway Integrations for mobile, banking and payment cards: Tingga, MPESA, Airtel, Moov Malitel, MTN, Telco Connectors and Reconciliation cron jobs
- Ticketing/lottery and prizeing job systems for gaming/betting process flows.

Senior Software Engineer

LCT Africa

January 2020– June 2021

Tools used: Git, Angular, Java EE, Spring-Boot, SQL, Google Cloud Platform, UNIX, JIRA, REST

Achievements/Tasks

- Participated in Agile development sprints for continuous system development
- Participation in the Quality Assurance process by providing release notes, unit testing, version control and system deployment.
- Took lead in team projects integrating HMIS software to the primary LCT platform with other healthcare providers and Tiered hospitals.
- 3rd Level Support to the escalation matrix provided for by LCT Africa.
- Full-stack development of the LCT Africa Healthcare System for the Liaison Group which is an integrated end to end Healthcare Administration solution for various tiers of healthcare providers and hospitals.
- Compiling and analyzing data, processes, and logical code to troubleshoot problems and identify areas for improvement.
- Collaborating with other team members to establish objectives and design more functional, cohesive logic to enhance user experience.

- Developing ideas for new programs, products, or features by monitoring industry developments and trends. Participating in continuing education and training to remain current on best practices, learn new programming languages, and better assist other team members.
- Guiding associate developers as well as taking lead on projects as needed.

Full-Stack Developer

Compulynx Limited

May 2018– December 2019

Tools used: Git, Angular, Java EE, Spring-Boot, SQL, Google Cloud Platform, UNIX, JIRA, REST

Achievements/Tasks

- Participated in Agile development sprints for continuous system development
- Designing, developing and modifying of the Mobile Money platform modules for banking, finance, insurance and NGO solutions software based on preset functional and system requirements.
- Working closely with the Team Lead, Business Analyst and Product Owner for understanding of the functional and system requirements.
- Participation in testing process and Quality Assurance through unit testing and bug fixes.
- Developing applications written in J2EE Technologies, Core Java, Spring Boot and Angular 6.
- Work alongside other engineers as part of an agile process to build a virtual environment.
- Providing 2nd level technical support to system users.

Software Developer

The African Academy of Sciences

October 2016 – April 2018

Tools used: Git, SharePoint, JavaScript, PHP, MySQL, Drupal, WordPress, Java EE, HTML/CSS, AWS.

Achievements/Tasks

- Researched, analyzed, designed, developed and participated in the implementation of innovative, data-driven and scalable web and software applications for internal processes, database repositories and online collaboration
- Carried out a scoping exercise involving various internal and external stakeholders to capture the needs to be incorporated into user specifications for various software applications
- Interfaced with internal stakeholders, project managers, remote teams and communications teams to create and curate content meant for dispensing across online collaboration platforms
- Worked with technical teams to identify business needs in terms of methodology, and development approaches. Reviewed the functionality of existing systems, with a view to undertaking a best fit analysis between the reviewed
- Prepared reports and participated in daily scrums on specifications and activities for each project.
- Prepared technical documentations of developed systems and user training workshops for orientation purposes.
- Ensured best practice application to maintain security and integrity of data.

Software Developer

Moringa School

May 2015 – September 2016

Tools used: Java, Git, Ms. Azure, Python, Trello, Nodejs, MySQL, HTML5/CSS3

Achievements/Tasks

- Curriculum engineering in collaboration with the team of boot camp instructors.
- Developed internal tools for improved curriculum organization and accessibility, as well as, real-time use.
- Developed and worked on internal projects and external projects for external consultancy clients.
- Wrote extensible and maintainable code as part of a scrum team.
- Experimented with multiple iterations during design implementation.
- Participated in rapidly prototyping new capabilities to confirm project feasibility.
- Collaborated with other team members to determine the best design specifications and details.
- Elicited and analyzed stakeholder requirements for submission to project managers.
- Modified existing software to correct errors, upgrade interfaces and improve performance.

ACADEMIC BACKGROUND

Software Engineering and Certification

Moringa School

01/2015 – 04/2015

Bachelor of Business Information Technology (BBIT)

Strathmore University

2012 – 2015

Relevant Coursework: Computer Organization and Architecture, Data Structures and Algorithms, Advanced Object-Oriented Programming

Diploma in Business Information Technology (DBIT)

Strathmore University

2011 – 2012

Kenya Certificate of Secondary Education

Apostles of Jesus Seminary

2007 – 2010

Kenya Certificate of Primary Education

Donholm Catholic Primary School

1999 – 2006

VOLUNTEER EXPERIENCE

Volunteer

St. John's' Ambulance

2007 – 2010

Volunteer

St. Jude's Donholm Parish

2007-2010

REFERENCES

1. *Frank Tamre. – Software Engineer Manager, Thermondo, Contact: tamrefrank@gmail.com- 0720672674*
2. *Robinson Owino, CEO, Jazzy Media Kenya, Contact: omoshx78@gmail.com – +254706074096*
3. *Alphonsus Neba, DELTAS Africa Program Manager, Science for Africa foundation Contact: a.neba@aasciences.ac.ke – +254 712 061 520*

