Hastings Tugume
Software Engineer

Results-driven software engineer with a proven track record of designing and delivering scalable, high-impact solutions. Skilled in building efficient systems, streamlining workflows, and optimizing performance to drive business success. Passionate about solving complex challenges and creating seamless digital experiences that enhance user engagement and operational efficiency.

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EDUCATION
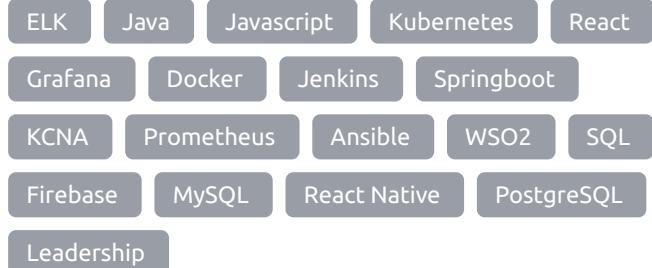
Software Engineering
Makerere University

08/2019 - 07/2023 *Kampala, Uganda*

Courses
- Bachelor of Science in Software Engineering

WORK EXPERIENCE

Software Engineer
Sybyl Limited

06/2024 - Present *Kampala, Uganda*

Achievements/Tasks
- At Sybyl in Kampala, Uganda, I drive systems integration and API management, leveraging WSO2 Micro Integrator and API Manager to design secure APIs for seamless connectivity. I deploy containerized applications with Docker and Kubernetes, ensuring scalable, resilient, and efficient software delivery.

IT Director
Eden Temple International

06/2023 - 06/2024 *Huye, Rwanda*

Achievements/Tasks
- Engineered a cross-platform mobile and web application for Eden's Child, centralizing the management of child sponsorship programs. This solution streamlined processes, handling over 1,000 active sponsorships monthly, and reduced administrative workload by 40% while boosting donor engagement by 30% through an intuitive user interface.

Software Developer Intern
NobleProg USA

08/2022 - 11/2022 *Remote*

NobleProg is a global training and consultancy provider, offering specialized courses and workshops across industries for skills enhancement.

Achievements/Tasks
- Excelled as a remote Software Developer Intern at NobleProg, driving enhancements in web systems using PHP, JavaScript, and Drupal. Collaborated with cross-functional teams to optimize performance, streamline workflows, and deliver user-centric solutions in an agile environment.

SKILLS

ELK Java Javascript Kubernetes React Grafana Docker Jenkins Springboot KCNA Prometheus Ansible WSO2 SQL Firebase MySQL React Native PostgreSQL Leadership

PERSONAL PROJECTS

Reading Aid for the Blind (02/2023 - 05/2023)
- Developed an Android app to assist visually impaired users in accessing written content. Utilized audio feedback and voice recognition for user interaction. Created an intuitive and user-friendly interface for ease of use.

Content Generation System (01/2023 - 03/2023)
- Developed a full-stack web app using Java, Spring MVC, Hibernate, and React, integrating dynamic content features and streamlining deployment with Apache Maven.

Interactive YouTube Video Quiz (09/2023 - 11/2023)
- Engineered an interactive quiz app that strategically pauses YouTube videos to engage users with timely questions. Leveraged HTML, CSS, and JavaScript for a seamless experience, while Firebase Firestore powered real-time data synchronization.

CERTIFICATES

Andela React Learning Program (06/2023 - 09/2023)

President - College of Computing and Information Sciences, Makerere university (12/2021 - 11/2022)

Kubernetes and Cloud Native Associate (06/2025 - Present)

LANGUAGES

English
Full Professional Proficiency

Luganda
Full Professional Proficiency