

Brian Msyamboza

Software Engineer

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Summary

Experienced Software Engineer and ICT Consultant with over 7 years of progressive experience designing, developing, and scaling enterprise-grade software solutions across the health, financial, and public sectors. Currently serving as a Software Developer at Elizabeth Glaser Pediatric AIDS Foundation (EGPAF), where I play a key role in the development and nationwide deployment of Electronic Medical Record (EMR) systems supporting HIV treatment and care, including leading the first international deployment to the Democratic Republic of Congo.

Education

University of Greenwich, UK (2018)

Bachelors in Business and Information
Technology (Second Class Upper)

NCC, UK

Ad. diploma in Computer Science

Google. Inc

Advanced Google Analytics

Work Experience

Elizabeth Glaser Pediatric AIDS Foundation (EGPAF) (2023 - Present)

Software Developer

Core developer of a nationwide Electronic Medical Records (EMR) system supporting HIV treatment and care across Malawi. Lead backend developer for the EMR system, OpenMRS expert, system integrations for large-scale health platforms. Played a key role in the first international deployment of the EMR to the Democratic Republic of Congo. Worked closely with clinical and program teams to translate healthcare workflows into scalable technical solutions. Ensured system stability, performance, and maintainability through testing, debugging, and documentation

Technix (Mar 2022 - Dec 2022)

Software Engineer

Developed and maintained the national School Inspection System used by the Ministry of Education. Implemented backend services and user facing functionality aligned with government operational requirements. Participated in system design, testing, and production deployments. Provided ongoing system enhancements based on user feedback and policy changes. Contributed to documentation and knowledge transfer to support long-term system sustainability.

Baobab Health Trust (Feb 2020 - Dec 2022)

Software Engineer

Developed and maintained the national School Inspection System used by the Ministry of Education. Implemented backend services and user facing functionality aligned with government operational requirements. Participated in system design, testing, and production deployments. Provided ongoing system enhancements based on user feedback and policy changes. Contributed to documentation and knowledge transfer to support long-term system sustainability.

Auroral Borealis (Consultant) (Feb 2020 - Dec 2021)

Software Engineer

Led the development of an end-to-end e-commerce platform from concept through production. Translated business requirements and wireframes into functional system architecture and features. Developed backend services, database structures, and system integrations. Established testing, version control, and deployment workflows. Supported post-deployment system optimization and enhancements.

Credit Data CRB

Software Developer

Developed and maintained enterprise systems used for national credit reporting and scoring. Collaborated on the design of in-house applications supporting financial institutions across Malawi. Produced system specifications, documentation, and user training materials. Managed database operations and supported technical infrastructure. Ensured reliable system performance through version control, deployments, and lifecycle management.

Expertise

Full Stack Engineer

covering backend architecture, RESTful APIs, databases, and modern web and mobile technologies across multiple sectors

Technical Leadership and Delivery

requirements analysis, solution design, quality assurance, deployment, documentation, and collaboration with multidisciplinary and international teams.

Health Information Systems

with experience delivering digital solutions that support clinical workflows, reporting, and decision-making at scale.

Skills

Software Programming (Java, PHP, Python, JavaScript, Typescript, Ruby, HTML, CSS, SQL, etc) Web Development Frameworks (React, Vue, jQuery, Node, Django, etc) Software Testing and Debugging Networking Configuration and Support Windows and Linux Server Administration Database management and Administration (MySQL, PostgreSQL, MongoDB, SQLite) Mobile App Development (React Native, Capacitor, Flutter) Version Control Systems (git, bitbucket) Cloud Services (AWS, Google cloud) RESTful APIs

References

Mr. Martin Suleman

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