

Isaac King Nsengiyunva

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LINKS

🔗 github.com/Nsengiyuva

TECH STACK

- ▶ Java Spring
- ▶ ReactJS
- ▶ React Native
- ▶ Flutter (GetX)
- ▶ Python / Django
- ▶ PHP / Laravel
- ▶ JavaScript / NodeJS
- ▶ Docker / Kubernetes
- ▶ CI/CD (Jenkins)
- ▶ AWS Cloud

CERTIFICATIONS

- ▶ AWS DevOps Certification
- ▶ Oracle Associate Certification
- ▶ WSO2 API Manager Certification

EDUCATION

BSc. Computer Science
Makerere University
2010 - 2014

PROFESSIONAL SUMMARY

Full-stack software engineer with 9+ years of experience specializing in systems integration, microservices architecture, and modern web and mobile applications. Proven track record of building scalable enterprise solutions using ReactJS, Flutter, Java Spring, and cloud technologies. Expert in implementing DevOps practices and containerized deployments.

EXPERIENCE

National Information Technology Authority, Kampala

Systems Integration Specialist

March 2020 -

- Implemented workflow-as-a-service system abstracting approval processes across government applications, reducing approval time by 40%
- Architected microservices infrastructure using Kubernetes and Docker, maintaining 15+ government services with 99.9% uptime
- Built multiple ReactJS applications: Government Service Portal (50,000+ monthly users), Internal Workflow Dashboard, API Gateway Console, and Document Management System
- Developed Uganda Red Cross mobile app using Flutter and GetX for emergency reporting and disaster response coordination
- Created Government Services mobile app using React Native for citizen access to services
- Integrated legacy systems with modern APIs, enabling interoperability between 20+ government agencies

MTN Uganda, Kampala

Systems Engineer (Contractor)

2019

- Implemented monitoring and automation for VAS applications serving 10+ million subscribers
- Built CI/CD pipelines using Jenkins and GitHub, reducing deployment time from hours to minutes
- Configured Prometheus and Grafana for real-time monitoring, improving uptime to 99.9%

- Decreased production incidents by 35% through automated testing and deployment

Awamo GmbH (Berlin-based FinTech)
Software Developer (Frontend Engineer)

2018 - 2019

- Led ReactJS development for enterprise financial system serving microfinance institutions across Africa
- Refactored codebase from 12,000 to 5,000 lines, improving performance by 60%
- Implemented React, Redux architecture with modern ES6+ features
- Increased test coverage from 20% to 85% using Jest and React Testing Library
- Reduced user-reported issues by 45% through UI/UX improvements

Metajua Ltd
Applications Developer

2015 - 2018

- Developed enhanced mobile data collection application using Android (Java) as improved alternative to ODK Collect
- Built Android library for XML data synchronization between devices and remote servers
- Implemented robust synchronization mechanisms for intermittent connectivity in rural areas
- Created hybrid mobile solutions using React Native for cross-platform data collection