

DOUGLAS KINGS KATO



Full Stack Developer | Software Engineer | ICT Educator | ✉️ douglaskings2@gmail.com | 📞 +256 701 430 234

Profile

Full Stack Developer with expertise in Java Spring Boot microservices, React.js, and database optimization. Proven track record building scalable backend systems including award-winning USSD-integrated platform serving underserved communities. Combines 5+ years of ICT education experience with hands-on software development, delivering user-centric solutions in Agile environments. Passionate about leveraging technology to solve real-world problems while mentoring emerging tech talent.

Experience

FULL STACK DEVELOPER | SUMIC IT SOLUTIONS LTD | OCTOBER 2025 - PRESENT

Entrepreneurship Booster Platform (EBP) - Woord en Daad / EU Funded Project

- Won 1st place in Multi-University Hackathon (September 2025), leading to full-time implementation role.
- Architected complete backend using Java Spring Boot microservices with modular services for user management, job matching, employer portals, and skills marketplace.
- Implemented USSD integration via Java gateway APIs, expanding platform access to 50,000+ feature phone users in rural areas.
- Designed MySQL database schemas ensuring data integrity and optimized query performance for 100K+ user base.

ENGLISH, ICT TEACHER & MULTIMEDIA DESIGNER | FIELD ENGLISH SCHOOL, WUHAI, CHINA | SEPTEMBER 2019 - JANUARY 2023

- Taught ICT curriculum covering programming fundamentals, digital literacy, and computer applications to 300+ primary students.
- Created multimedia educational content (animations, videos, interactive modules) improving student engagement by 40%.
- Integrated technology into English instruction, developing custom learning tools and digital resources.
- Managed computer lab infrastructure and technical resources for 500+ student international school.

ICT TEACHER & MULTIMEDIA DESIGNER | HERITAGE INTERNATIONAL SCHOOL, INTERNATIONAL SCHOOL OF UGANDA, KINGS INTERNATIONAL SCHOOL, KAMPALA | JANUARY 2017 - SEPTEMBER 2019

- Taught ICT, Computer Science, and Digital Arts aligned with (I)GCSE, A-Level, and IB MYP curricula to 200+ students.
- Served in the ICT Department, overseeing curriculum development, resource allocation, and teacher training
- Mentored students in coding projects (web development) and creative multimedia production.
- Designed marketing materials and event content, increasing school digital presence by 60%.

Education

- BACHELOR OF SCIENCE IN APPLIED INFORMATION TECHNOLOGY | JANUARY 2027 | ISBAT UNIVERSITY, KAMPALA
- GERMAN LANGUAGE COURSE (LEVEL A1) | JULY 2025 - AUGUST 2025 | GOETHE-ZENTRUM, KAMPALA
- ADVANCED DIPLOMA IN MULTIMEDIA AND ANIMATION | SEPTEMBER 2014 – DECEMBER 2016 | APTECH COMPUTER EDUCATION

Technical skills

- Languages: Java, Python, JavaScript, C++, C, HTML5, CSS3
- Frontend: React.js, Vue.js, Bootstrap, Responsive Design
- Tools & DevOps: Git, GitHub, Maven, Agile/Scrum
- Backend: Spring Boot Microservices, RESTful APIs, Node.js, Django, USSD Integration
- Database: MySQL, PostgreSQL, MongoDB, Schema Design, Query Optimization
- Design: Adobe Creative Suite, Moho 12

Certifications & achievements

- 1st Place Winner - Multi-University Hackathon for Entrepreneurship Solutions (September 2025)
- Galactic Problem Solver - NASA International Space Apps Challenge (October 2024)
- Certificate of Participation - EU-Funded Hackathon, Entrepreneurship Booster Platform

Key project

Entrepreneurship Booster Platform | Java Spring Boot, MySQL, React.js, USSD APIs

Award-winning platform connecting 50,000+ young Africans to employment, entrepreneurship training, and market opportunities. Built scalable microservices architecture with independent deployment, API gateway pattern, and mobile-first USSD integration for low-connectivity areas.

Languages

English (Fluent), German (A1)

Portfolio

<https://douglas-kings-kato-portfolio.vercel.app/>

References

Mr. Kibwika Nasurudin Bashir | Assistant Lecturer, ISBAT University | +256 701 603 731 | nass.aklieve@gmail.com

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