

MICHAEL TUMUHAISE

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SUMMARY

Software Engineer with hands-on experience in full-stack web and mobile development using JavaScript, Python, Django, Laravel, and React. Developed scalable applications and AI-driven chatbots that reduced response times by 40%, with strong skills in OOP, databases, debugging, and a collaborative mindset eager to learn and grow.

SKILLS

- **Programming Languages:** JavaScript, Python, PHP, Dart, Java
- **Frontend Development:** React, React Native, Flutter
- **Backend Development:** Django, Laravel, FastAPI
- **Databases:** PostgreSQL, MySQL, Firebase, Supabase
- **Testing & Deployment:** Web & Mobile Testing, Web & Mobile Deployment, CI/CD Practices
- **DevOps & Tools:** Docker, Git, REST APIs, cPanel
- **Specializations:** IoT & Embedded Systems, AI/ML (TensorFlow, Scikit-learn), SEO, Google Search Console, Chatbot Development, Cloud Automation

WORK HISTORY

Afrisoft Ltd & WildMed Safaris <i>Web Developer</i> Built scalable web apps using Django, Laravel, React; integrated real-time APIs.	2024 - Present
Tattuintel Ltd <i>Software Developer</i> Developed mobile/web apps, including an ML-driven logistics platform.	2023 - 2024
NITA-U & NARO <i>IT Intern</i> Built chatbots with Python/Dialogflow, cutting response time by 40%.	2022 - 2023

KEY PROJECTS

Op Energy

- IoT energy monitoring system with prepaid unit conversion (Laravel, Supabase).

Smart Farming System

- IoT soil sensor device with live dashboard (Python, embedded systems).

RouteWise

- School shuttle tracker with ML route optimization (React Native, Django).

TheShop

- Full e-commerce platform with recommendation engine (React, FastAPI).

EDUCATION

Makerere University <i>Bachelor of Science, Software Engineering</i>	2021 - 2025
Makerere University Business School <i>Diploma, Computer Science</i>	2018 - 2020