

Serumaga Conrad David

Full Stack Developer — Mobile
Web Solutions

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Professional Summary

Passionate **Full Stack Developer** with **4+** years of experience in **React Native, React, Next.js, Node.js, and Data Science**. Specializing in building **scalable, secure, and high-performance applications**, with strong expertise in **backend development, mobile applications, and DevOps**. Currently a **final-year Software Engineering student at Makerere University**, mastering **Data Science at WorldQuant University**, and pursuing a certificate in **Introduction to Web3** under **Alison**.

Technical Skills

Frontend: React, Next.js, TypeScript, TailwindCSS, Redux, GraphQL
Backend: Node.js, Django, PostgreSQL, MongoDB
Mobile Development: React Native, Firebase, Supabase

Data Science: Python, Pandas, Machine Learning, OpenAI APIs
Security
DevOps: Docker, AWS, CI/CD, Linux, Nginx

Work Experience

IT Specialist — MedTech Company — 2024 - Present

- Managing IT infrastructure, cybersecurity, and cloud-based solutions.
- Developing and optimizing software solutions for healthcare technology.
- Implementing automation and AI-driven insights for medical data management.

Software Developer Intern — iOTRA Research Lab, Makerere University — 2023

- Conducted research and development on IoT and smart technology applications.
- Assisted in the implementation of real-time monitoring systems using AI and machine learning.
- Worked with a team to develop innovative solutions for environmental monitoring.

Full Stack Developer (Freelance) — 2022 - Present

- Built **scalable e-commerce platforms**, integrated Stripe payments, and optimized performance.
- Developed a **Turf Management System** for real-time booking scheduling using React PostgreSQL.
- Created an AI-powered **chat interface with OpenAI API** for an interactive experience.
- Implemented **secure authentication, encryption, and database security best practices**.

Education

Bachelor of Science in Software Engineering — Makerere University (2021 - 2026)

Mastering Data Science — WorldQuant University (Ongoing)

Introduction to Web3 — Alison (Ongoing)

Certifications

- **Data Science Certification** – WorldQuant University (6 months)
- **Introduction to Web3** – Alison

Projects

- **Baby Steps Web App** – A level-based educational game solving real-world challenges.
- **Med Health Doctor App** – A healthcare management system.
- **CPA Assumpta Nabachwa Website** – A professional consultant's personal website.
- **Wi-Fi Simulation**
Weather Impact Research – Analysis using NS-3 Python.

Get in Touch

Looking for a highly skilled developer to build your next project? Let's connect!