# Johnson Clever Ggalabuzi

Computational Health Data Scientist | MSc Computer Science | Health Informatics Developer

📍 Based in Germany | Open to Remote & Global Roles (Flexible Relocation – EU, USA, Africa)

📧 [Email](mailto:40ndgc2@gmail.com)| 📞 +49 17670339367 +256706181225 | 🌐 [Portfolio](https://johnsonclever.vercel.app/) | 💻 [Gitlab](https://gitlab.com/cleverjohnson)

## **Profile Summary**

Health-focused data scientist and developer with expertise in health informatics, data systems, and AI-driven digital health solutions. Currently pursuing an MSc in Computer Science, I specialize in using data to optimize clinical workflows and improve patient outcomes. My background blends full-stack software engineering, healthcare data standards (FHIR R4, ICD-11), and applied machine learning — combining code, data, and impact.

## **Key Projects & Research**

* ChronoViva EHR System — Founder & Lead Developer  
  React · Flask · Docker · PostgreSQL · FHIR R4  
  Developed a full-stack Electronic Health Record (EHR) platform for diabetes management, enabling structured clinical data capture and interoperability via ICD-11 and FHIR APIs. Pitched at the Healthcare Happy Hour Munich, recognized for innovation in health data engineering and system design.
* QuickBank EA — Algorithmic Trading & Data Automation (Independent Project) Python · Meta Trader 5 · Data Automation  
  Designed an automated trading engine leveraging data-driven logic, equity-based risk models, and real-time analytics. Demonstrated advanced coding and system optimization applicable to large-scale data environments.

## **Professional Experience**

* **Full-Stack Developer** – Atwerb GmbH, Germany (2023 – 2025)

- Developed scalable web applications using React, Flask, and PostgreSQL.  
- Collaborated on data pipelines integrating HL7/FHIR protocols.  
- Enhanced health informatics modules for internal systems and clients.

* **Software Developer** – Nextel Systems Limited, Uganda (2017 – 2021)

- Built and maintained websites and software applications with PHP and JavaScript.  
- Progressed from trainee to full developer, implementing front-end and backend logic for various client projects.  
- Collaborated with teams to deliver high-quality and user-friendly software solutions.

* **Earlier Roles** (Germany & Uganda, 2018–2023)

Website Administrator **–** Mukusu Motors & Properties Ltd, Uganda (2018–2021)  
Technical & Logistics Assistant **–** Germany (Develey, Plantura, Sendmoments, Zenjob) (2021–2023)

## **Education**

**MSc Computer Science (in progress)** — Heriot-Watt University, UK (Distance Learning)

Focus: Data Systems, Artificial Intelligence, and Machine Learning — applied in healthcare analytics, clinical decision support, and intelligent EHR systems

**BSc Health Informatics (Undergraduate Coursework**) — Technische Hochschule Deggendorf, Germany

Specialized in Electronic Health Records, Data Management, and Clinical Informatics

**Bachelor of Science in Education (Biological)** — Makerere University, Uganda (2017–2019)

Blended biological sciences and pedagogy — courses in genetics, ecology, and cell biology with an emphasis on scientific communication and research

**Health Sciences (Biology, Chemistry, Mathematics & IT)** — Our Lady of Good Counsel, Gayaza (2015–2016)

High school concentration integrating sciences with computing foundations, laying early groundwork for informatics and data-driven problem-solving

## **Professional Certifications & Scholarship**

- IBM Data Science Professional Certificate — Coursera (IBM)

- Health Informatics Specialization — Johns Hopkins University (Coursera)

- Python Data Analysis — Continuing Professional Education, 2023

- Malengo Scholarship Recipient ([2021](https://malengo.org/)) — Awarded for academic excellence and commitment to global health innovation

## **Core Skills**

Programming: Python, JavaScript (React), Flask, FastAPI, Docker, PostgreSQL  
Data Science: Pandas, Scikit-learn, TensorFlow (basic), NumPy, Power BI  
Health Informatics: HL7 FHIR, ICD-11, EHR Interoperability, Clinical Data Standards  
Tools: Git, Jupyter, Linux, VS Code, Docker Compose  
Research & Analytics: Machine Learning, Health Data Systems, Data Visualization

## **Achievements & Highlights**

- Pitched ChronoViva at Healthcare Happy Hour Munich ([Make Health Digital](https://www.linkedin.com/in/johnson-ggalabuzi-164aa6222/details/projects/1670140399/multiple-media-viewer/?profileId=ACoAADgL61wBrHLmoSnF3nz2xny9M_FCnkO2B94&treasuryMediaId=1760459249646))  
- Integrated [ICD-11](https://icd.who.int/en/) & [FHIR](https://hl7.org/fhir/) APIs into ChronoViva for interoperability  
- [Malengo Scholar](https://malengo.org/) (Selected among top international students for higher education in Germany)  
- Delivered AI-integrated EHR prototypes and remote health system concepts

## **Portfolio & References**

Portfolio Website: [JCG](https://johnsonclever.vercel.app/)  
GitHub: [Click Me](https://github.com/cleverjohnson)   
Gitlab: [See my Work](https://gitlab.com/cleverjohnson)  
  
Key Projects:  
- ChronoViva (EHR for Diabetes Management) [ChronoViva AI-Powered Diabetes EHR System](https://gitlab.com/jcg8162212/chronoviva)  
- QuickBank EA (Data Automation & Algorithmic Trading)  
  
References available upon request.

## **Vision**

I aim to pioneer at the intersection of health data science and software engineering — developing intelligent systems that bridge medical data and actionable insight. My long-term vision is to contribute to global digital health research and scalable, data-driven healthcare systems.