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:)| ☐ +49 17670339367 +256706181225 | ☐ [Portfolio](#) | ☐ [Gitlab](#)

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, United Kingdom

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) — 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)
- Integrated ICD-11 & FHIR APIs into ChronoViva for interoperability

40ndgc2@gmail.com

- [Malengo Scholar](#) (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](#)
GitHub: [Click Me](#)
Gitlab: [See my Work](#)

Key Projects:
- ChronoViva (EHR for Diabetes Management) [ChronoViva AI-Powered Diabetes EHR System](#)
- 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.