Macdonald Sairos

Full Stack Software Engineer | Data Scientist

Harare, Zimbabwe

✉ macdonaldsairos24@gmail.com | 📞 +263 786 033 933

🔗 LinkedIn: www.linkedin.com/in/macdonald-sairos-8b1686186

🔗 Portfolio: ([Macdonald Sairos - Full Stack Developer Portfolio](#))

Professional Summary

Results-driven Full Stack Software Engineer and Data Scientist with strong experience in building intelligent, scalable, and secure digital solutions. Specialized in data analytics, machine learning, business intelligence, and modern web application development using React, MERN stack, Python, and C#. Proven ability to translate complex data and business requirements into actionable insights and robust software systems. Passionate about ethical technology, performance, and impactful digital transformation.

Core Skills

- **Programming Languages:** Python, JavaScript, TypeScript, C#

- **Frontend:** React.js, Vite, HTML5, CSS3, Tailwind CSS

- **Backend:** Node.js, Express.js, MERN Stack

- **Data & BI:** Python for Data Science, Power BI, Metabase, Data Analytics

- **Databases:** MongoDB, PostgreSQL

- **AI & ML:** Machine Learning, Predictive Modeling, Artificial Intelligence

- **DevOps & Tools:** Git, Docker, REST APIs

- **Security:** Ethical Hacking, Cyber Threat Management

- **Soft Skills:** Teamwork, Problem Solving, Communication

Professional Experience

CLARITY SMART TECH — Harare, Zimbabwe

Software Engineer Intern (On-site)
Sep 2024 – Jul 2025

- Developed and maintained full stack applications using React.js, Vite, Express.js, and Node.js.

- Designed RESTful APIs and integrated MongoDB databases for scalable systems.

- Collaborated with cross-functional teams to deliver production-ready solutions.

Lead Data Scientist Intern (Hybrid)
Sep 2024 – Jul 2025

- Led data analytics and visualization projects using Python, Power BI, and Metabase.

- Built predictive models and conducted exploratory data analysis to support decision-making.

- Applied machine learning techniques and AI concepts to real-world business datasets.

Fossil Contracting — Zimbabwe

IT Intern (Hybrid)
Sep 2024 – Jul 2025

- Provided IT support and system maintenance.

- Assisted in database operations and JavaScript-based internal tools.

- Supported digital transformation initiatives within the organization.

Zvimba Rural District Council — Banket, Zimbabwe

Database Specialist (Part-time, On-site)
Jan 2023 – Jan 2023

- Managed and organized institutional databases.

- Ensured data accuracy, integrity, and reporting readiness.

Belcit Trading — Victoria Falls, Zimbabwe

Lead Data Capturer (Full-time, On-site)
Jan 2021 – Aug 2022

- Led data capturing and validation processes.

- Supported business marketing and reporting initiatives.

- Improved data accuracy and operational efficiency.

Education

University of Zimbabwe

Bachelor of Science (Honours) in Data Science and Informatics
Aug 2022 – Sep 2026

- Focus areas: Data Analytics, Databases, Machine Learning, Data Visualization

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Certifications

Cisco Network Academy

- Python Essentials 1

- JavaScript Essentials 1

- Introduction to Data Science

- Data Analytics Essentials

- Introduction to Cyber Security

- Cyber Threat Management

- Ethical Hacking

- Introduction to Internet of Things

Great Learning Academy

- Python for Data Science

- Introduction to Artificial Intelligence

- Machine Learning with Python

- Data Visualization with Power BI

- Introduction to Exploratory Data Analysis with Excel

- Business Intelligence Tutorial for Beginners

- ReactJS Tutorial

- Introduction to ExpressJS

Services & Expertise

- Business Analytics

- Custom Software Development

- SaaS Development

- Web Development & Web Design

- Cybersecurity & Software Testing

Professional Interests

Artificial Intelligence, Data Science, Scalable Systems, Ethical Technology, Digital Transformation

Projects

Visit ([Macdonald Sairos - Full Stack Developer Portfolio](#))