

Emmanuel Murairi

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SUMMARY

With a passion for technology and entrepreneurship, Emmanuel is an experienced Software Engineer dedicated to leveraging technology to solve complex problems. His expertise spans software development, distributed computing, DevOps, and data analysis, with a strong track record of optimizing systems, designing scalable architectures, and driving impactful solutions in various industries such as healthcare, education, and e-commerce.

TECHNICAL SKILLS

Languages: Python, JavaScript, Golang, Java

Cloud & DevOps: Google Cloud Platform (GCP), AWS, Docker, CI/CD, Shell scripting

Data Engineering: SQL, MongoDB, Power BI, ETL pipelines

Web Development: React, Flask, FastAPI

Other: System Architecture, Technical Writing

PROFESSIONAL WORK EXPERIENCE

Multiply Labs - Mauritius

September 2024 - Present

Software Engineer

- Engineered a velocity pricing simulator and algorithm, resulting in significant cost optimization, particularly in marketplaces with limited market positioning feedback
- Built internal tools for application internationalization, streamlining multilingual support across platforms
- Enhanced performance of critical components, including pricing algorithms, data collection drivers, and reporting pipelines

mDoc - Nigeria, (Remote)

July 2021 - September 2024

Data and DevOps Engineer

- Containerized and migrated 40+ applications from VMs to serverless Cloud Run, reducing infrastructure costs by 60% while implementing CI/CD best practices
- Designed and optimized 20+ Power BI dashboards analyzing key organizational KPIs, driving data-informed decision-making
- Automated data pipelines on GCP using scheduled Cloud Run Jobs, significantly improving operational efficiency
- Developed a robust testing framework for data pipelines, reducing data discrepancies by 20% and improving data quality

Hydruslab - Mauritius

February 2023 - April 2023

Full Stack Software Engineer

- Design and set up the system architecture for a microtask data collection system for audio annotation
- Develop the front-end and backend of the data annotation system from an open-source project

EDUCATIONAL BACKGROUND

African Leadership College, Mauritius | Glasgow Caledonian University, 2021 - 2024

BSc (Hons) Computing - First class

Relevant None Computing Coursework: Object-Oriented Programming, Database Development, Web Development, Big Data, Secure Software Development, IT Project Management

Holberton School – Online

September 2020 - September 2021

Software Engineering - Backend Specialization

Relevant Coursework: Low-level programming & Algorithm, Higher-level programming, System Engineering & DevOps

EXTRACURRICULAR ACTIVITIES

Google Developer Student Club (GDSC) - Mauritius

September 2022 – June 2023

Club Lead

- Organized Devfest in partnership with the Mauritius Google Developer Group, with over 150 participants and 12 talks from which, 2 of our chapter members
- Organized weekly meetups to drive collaboration and knowledge sharing, leading to monthly technical article publications and collaborative tech projects

LANGUAGES

- English, French, Lingala