

GEOFREY MACHARIA

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📍 Nairobi, Kenya

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PROFESSIONAL EXPERIENCE

Software Developer;

Jan 2024 – Current

Msimbo DevHub - Remote

- Designed and developed an agritech website using Firebase and Node stack (Next.js and Node.js) encompassing a multitude of services such as Agonomy, Veterinary, Credit and Insurance services additionally, implemented comprehensive functionality to facilitate buying and selling farm products to farmers in a virtual market.
- Developed and designed a payment service platform using Next.js and Tailwind CSS enabling local and international fund transfers. Utilized Cloud Firestore APIs to facilitate secure transactions and service connections.
- Optimized load speed by minimizing page rendering time and reducing latency through lazy loading, and asset minimification techniques, resulting in a 15% improvement in overall performance and faster load times.
- Created Robust API's for a live bidding system to handle real time data transmission between frontend and Firebase database enabling the system to identify the winning bidder 20% faster.

Data Analyst;

July 2022 – Nov 2023

Upwork - Remote

- Developed and documented end-to-end machine learning pipelines, enabling my clients to integrate predictive models into their image classification software.
- Cleaned and processed client data using SQL and Microsoft Excel improving data quality and efficiency for client's teams to build their fitness recommendation system.
- Provided proposals to client stakeholders by uncovering underlying insights from the data provided and reporting the results through a PowerBI dashboard.

Software Developer Intern;

Sept 2021 – Dec 2021

ICT Authority - Kenya

- Developed python scripts for monitoring network performance and automating maintenance alerts across all 53 regions under the organisation, reducing downtime and improving response time for connectivity issues.
- Configured backups for the Government Common Core Network and National Optical Fiber Backbone, increasing network uptime by 12%.
- Collaborated with the tech lead to integrate and deploy a new Libre Network Management System, enhancing network monitoring by 50%

EDUCATION

Murang'a University – Murang'a

Sept 2018 – Nov 2022

Bachelor of Science in Information Technology: GPA: 3.5

Concentrations: Computer Programming, Software Development, Statistics, Business Intelligence.

SKILLS

- Product Design, UI UX Design, User Research, Wireframing, Nextjs, FireBase, Javascript, Html, CSS, Data Analysis, Data mining. Predictive modeling, Machine Learning, Data Visualization, Statistical and Quantitative Analysis, R and Python programming, SQL, Microsoft Excel