

MURITHI BRIAN

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SUMMARY

Experienced software engineer skilled in full-stack development with a strong background in Python and JavaScript technologies. Proven track record of delivering scalable backend services and innovative platforms, coupled with leadership in software development and community training. Passionate about using generative AI to build tools that empower non-technical users.

EXPERIENCE

Enovise Group

Nairobi, Kenya

Software Engineer,

September 2024 – Present

- Designed and developed Velociraptor API for ThreatSeal using Python, Flask, and modern cloud technologies.
- Contributed to the Sigma Broadcast project with robust threat detection using Java, Spring Boot.
- Upgraded legacy UI to modern React + TypeScript with graph visualizations.
- Built Corvex backend using Node.js, Express, and PostgreSQL.

AARA Gym Finder

Remote, Fiverr

Mobile app developer

June 2024 – April 2025

- Developed full-stack mobile app using React Native, Node.js, and later migrated backend to FastAPI.
- Integrated cloud services: GCP, Firebase, JWT Auth, PostgreSQL, push notifications.
- Architected modular backend with SQLAlchemy, OAuth, and integration with Google APIs.

Village Hopecore International

Chogoria, Kenya

System Support Volunteer & System Support Engineer

Oct 2022 – Sep 2024

- Supported MEAPPS Loan System; upgraded Loan UI to React 18 with React Query.
- Led CommCare data workflows and designed training material for youth programs.
- Implemented efficient React query fetching techniques and pagination to boost system performance.

PROJECTS

VectorShift Technical Assessment

June 2025

- Built end-to-end integration flows with React and FastAPI, enabling dynamic connection to external tools like HubSpot. Delivered secure, reusable backend modules and intuitive frontends for non-technical users.

Jenga Events

Solo Developer

Feb 2025 – Present

- Built a full-stack job and event marketplace for DJs and service providers using React, TypeScript, and Node.js.

EDUCATION

Kirinyaga University

Kutus, Kenya

B.S. in Computer Science

August 2018 - October 2022

- o **Concentrations:** Software Engineering
- o **GPA:** 69/100, Second class honors upper division
- o **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Combinatorics, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

COURSES

Alx Africa

Virtual

Cert. Software Engineering

May 2022 - June 2023

- o **Concentrations:** Full stack Development
- o **Related Coursework:** Modern JavaScript, Python, Advanced MySQL, Pagination, Caching, i18n, Queuing system in JS, Authentication, React.js, Typescript, React Redux, Whiteboarding, Collaboration, Time management & Technical writing.

ACTIVITIES AND LEADERSHIP

Nairobi hub Team Lead

ALX Africa

Sep 2022 – June 2023

- Led a team of learners in Nairobi, fostering collaboration and problem-solving in software development.

Computer Society of Kirinyaga

Kirinyaga University

Web Development Representative

Aug 2020 – Nov 2021

- Spearheaded web development initiatives, organizing workshops on front-end and back-end technologies.

Technical Skills Instructor

Village Hopecore International

Teaching at the Youth Center hub

Feb 2023 – Aug 2024

- Trained underserved youth in computer literacy and technical skills while coordinating outreach programs to recruit and empower participants.

SKILLS

Programming Languages: Python, JavaScript/TypeScript(Node.js, [React.js](#)), SQL(PostgreSQL, MYSQL), OpenAI API, Redis, Docker, API integrations, Generative AI.

Frameworks and Libraries: FastAPI, Redux, React Native, Spring Boot, Material UI, Tailwind

Tools and IDEs: Docker, Redis, GCP, Android Studio, IntelliJ, PyCharm, Git

Development Methodologies: Agile, CI/CD

Other: OAuth 2.0, JWT Auth, RESTful APIs, OpenAI API, Integration with HubSpot, Notion, Airtable