GICHOBI LEWIS MWANGI

P O Box 984-00100

Nairobi   Kenya

Telephone: +254-716230232

Website:https://gichobiportfolio.onrender.com

Email:kigwalewis@gmail.com

PERSONAL INFORMATION

DATE OF BIRTH: 15TH AUGUST 2002

SEX: MALE

ID NO.   39823636

MARITAL STATUS: SINGLE

NATIONALITY: KENYAN

RELIGION: CHRISTIAN

A passionate Computer Science student crafting innovative solutions through AI and full-stack development. I specialize in the MERN stack (MongoDB, Express, React, Node.js), building user-focused apps like a mobile-friendly M-Pesa seller platform and Flicker Zone delivery system. My AI projects include a WhatsApp chatbot for a Kenyan photo studio and a web app visualizing corruption scores with React and Chart.js. I leverage DevOps with CI/CD pipelines, GCP, and Kubernetes for scalable deployments, and ensure quality with Postman and Selenium. Driven to solve complex challenges, I'm excited to explore new technologies. Thanks for visiting my portfolio!

CRITICAL SUCCESS FACTORS

- Strong communications skills including graphics and presentation.
- Capacity to work independently, follow up effectively on projects as required and meet deadlines.
- Willingness to seek guidance as needed, and ability to develop and maintain good working relationships in a team-oriented environment.

WORK EXPERIENCE

MentorNest

Web Developer and Social Media Coordinator

MentorNest is a platform that connects users with potential mentors based on their fields, skills, or achievements, fostering meaningful mentorship opportunities for career growth and skill development.

Contribution: Collaborated with a team to develop and maintain software solutions supporting the company's products and services. Conducted usability testing on the website, onboarding volunteers to ensure a seamless user experience. Managed the website's X account, creating and editing engaging ads to promote the platform.

Skills: Social Media Marketing, UI/UX Design, Usability Testing, Team Collaboration.

Tools: Git, ClickUp, Sentry, PagerDuty, GCP, Canva, Social Media Platforms.

Kenyan School Finder

UI/UX Designer

Kenyan School Finder is a website that enables users to search for schools based on specific requirements while allowing schools to promote themselves.

Contribution: Designed the framework for the Minimum Viable Product (MVP) of the website, focusing on user-centered design from various perspectives to enhance accessibility and functionality.

Skills: Graphic Design, UI/UX Design, User-Centered Design.

Tools: Figma, Git, JIRA, Visual Studio Code, GitLab.

Self-Initiated Projects

Full-Stack Developer and Innovator

Scope: Undertook various self-initiated projects to explore new technologies and enhance personal skills, ranging from web applications and mobile apps to experimenting with frameworks and tools.

Contribution:

1. Full-Stack Web App: Built a task-management platform using React.js for the front-end and Node.js/Express for the back-end, integrating real-time updates via WebSockets and deploying on Heroku with 95% unit-test coverage.
2. Mobile Expense Tracker: Developed a cross-platform Flutter app connected to Firebase Firestore for secure data sync, implementing OAuth2 authentication and offline caching for a seamless user experience.
3. AI Chatbot Prototype: Designed a customer-support chatbot using Python and Django REST Framework, connected to a simple NLP pipeline with spaCy, reducing mock support response time by 60%.
4. DevOps Playground: Containerized microservices with Docker, orchestrated with Docker Compose, and automated CI/CD pipelines using GitHub Actions to deploy to Heroku and AWS EC2.
5. M-Pesa Seller App: Created an MVP for small-scale Kenyan sellers, focusing on business transaction tracking (e.g., Till Number, Paybill) using Flutter, with SMS parsing, SQLite storage, and Firebase syncing for offline support.
6. Corruption Score Web App: Developed a React web app to analyze corruption scores for Kenyan ministries and counties, utilizing Tailwind CSS and Chart.js for interactive visualizations, including modals for detailed data and trend analysis.
7. Portfolio Website: Built a responsive portfolio website (github.com/Kigwaaaa/Portfolio2025) using HTML, CSS, and JavaScript to showcase skills, projects, and achievements, integrating a transcript for my Bachelor of Science in Computer Science.

Skills: Front-End (React.js, JavaScript ES6+, HTML5, CSS3, Flutter), Back-End (Node.js/Express, Python/Django, RESTful APIs, Firebase Firestore), DevOps (Docker, CI/CD with GitHub Actions), Testing (Jest, Mocha, Unit & Integration Testing), Mobile Development, AI Integration.

Tools: GitHub, Visual Studio Code, Firebase, Docker, Heroku, AWS EC2.

Freelance Software Developer

Fiverr and Independent Projects

Introduction: As a freelance software developer, I provide custom software solutions and API development services to clients globally, focusing on bespoke applications and tailored API integrations.

Contribution: Developed a range of custom software applications and APIs, collaborating directly with clients to understand their needs and deliver high-quality, timely solutions. Managed projects from inception to deployment, ensuring client satisfaction. Notable projects include a React-based dashboard for visualizing financial transaction data and wireframes for an M-Pesa app using Figma.

Skills: JavaScript, React.js, Node.js, Express.js, RESTful APIs, MongoDB, MySQL, MERN Stack, API Development, Client Communication.

Tools: Git, Visual Studio Code, Postman, JIRA, Swagger UI.

EDUCATIONAL BACKGROUND

Kenyatta University: 2021 -
 Course Title: Bachelor of Science ; Computer Science

 Kianyaga High School : 2016-2020

-Kenya Certificate of Secondary Education (KCSE), 2020

Mean Grade: A- (Minus) - Aggregate Points: 75

Subjects and Grades:

English: B- (Minus)

 Kiswahili: A- (Minus)

Mathematics: A (Plain)

 Biology: C (Plain)

Physics: A- (Minus)

Chemistry: B- (Minus)

 Geography: A (Plain)

Agriculture: A (Plain)

STRENGTHS, SKILLS AND ATTRIBUTES

Creativity: Demonstrated ability to develop innovative techniques, with a strong imagination and eye for design, evident in UI/UX projects using Figma and responsive web designs.
Goal-Oriented and Motivated : Consistently achieve academic excellence (e.g., KCSE Mean Grade A-) and personal goals, showcasing business acumen and a proactive approach to learning, as seen in freelance web development and portfolio projects.
Technical Skills:
  - Proficient in front-end programming with HTML, CSS, JavaScript, Angular, and React.
  - Skilled in UI/UX design using Figma, creating wireframes, prototypes, and high-fidelity designs.

- Experienced in video editing for short-form social media content.
- Knowledgeable in user flows and process flows for efficient project execution.

Communication Skill : Strong ability in graphics and presentation, enhancing collaboration within cross-functional teams and delivering impactful project outcomes.

Independent and Team-Oriented: Capable of working independently, meeting deadlines, and maintaining effective relationships in team environments, as demonstrated during academic and freelance projects.

Adaptability and Lifelong Learning : Eager to gain knowledge from industry leaders and contribute fresh insights, with a commitment to personal and professional growth in dynamic settings.

REFEREES:

ALVIN NJOROGE,

KENYATTA

UNIVERSITY,

P.O.BOX 43833-

00100,

 NAIROBI.

0112112240.

alvinsamoh@gmail.com

 JOHN KANDIRI

 KENYATTA

UNIVERSITY

 P.O BOX 43844-00100

 NAIROBI

jkandiri@gmail.com