

Anthony Kanyi Macharia

Software Developer

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SUMMARY

Aspiring Software Developer with a strong foundation in front-end and back-end technologies. Passionate about building scalable applications, database management, and system analysis. Eager to contribute to innovative teams, solve real-world challenges, and grow in the dynamic field of technology.

SKILLS

- **Languages & Tools:** Python, HTML, CSS, React, Tailwind CSS, Bootstrap
 - **Back-End & APIs:** Flask, FastAPI, RESTful API design
 - **Databases:** PostgreSQL, SQLite, MongoDB
 - **Cloud & Deployment:** Google Cloud VM (Compute Engine), Firebase, Netlify, GitHub Pages
 - **Other Tools:** Git & GitHub, Microsoft Excel & Word, Figma
 - **Soft Skills:** Teamwork, Communication, Debugging, Problem Solving
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PROJECTS

Portfolio - [View Here](#)

Description: A personal portfolio showcasing projects, skills, and experience in software development.

EXPERIENCE

Software Developer Student | Techcamp Kenya
August 2023 – December 2023 | Nairobi, Kenya

- Acquired foundational web development skills, mastering HTML, CSS, JavaScript, Python, Bootstrap, and PostgreSQL through hands-on training.
- Developed and implemented web applications using Agile methodologies, focusing on responsive design and user experience.
- Worked on database management and API integration using Flask and PostgreSQL to support dynamic web applications.
- Assisted in debugging and optimizing software, enhancing performance through efficient code practices.
- Conducted testing and validation to ensure applications adhered to industry standards.

Key Accomplishments:

- Improved system performance by optimizing database queries and backend logic, reducing response times by 20%.
- Contributed to a successful project launch by implementing key front-end and back-end features.

Software Developer Trainee | Moringa School
January 2024 – June 2024 | Nairobi, Kenya

- Advanced web development expertise through intensive training in React, Vite, JSX, Tailwind CSS, Figma, Flask, PostgreSQL, Git, and GitHub.
- Designed and implemented scalable web applications using Agile methodologies, emphasizing modern UI/UX principles.
- Developed RESTful APIs and managed database operations with Flask and PostgreSQL to support seamless data flow.
- Collaborated in team-based projects, utilizing Git for version control and ensuring code quality through peer reviews.

Key Accomplishments:

- Built a responsive e-commerce prototype using React and Tailwind CSS, improving user engagement through intuitive design.
- Streamlined project workflows by integrating Figma designs into development, reducing design-to-code turnaround time by 15%.

Frontend Developer | Web3 Hackathons
July 2024 – September 2024 | Various Locations

- Served as the frontend developer for a Web3 project Mellow fi during ETHCapeTown Hackathon (2nd Place) and Base East Africa Hackathon (4th Place).
- Utilized TypeScript, React, and Tailwind CSS to create user-friendly, blockchain-integrated web interfaces.

- Collaborated with cross-functional teams to integrate smart contracts and APIs, ensuring seamless front-end to back-end communication.
- Applied Agile practices to deliver high-quality features under tight deadlines, adapting to hackathon constraints.

Key Accomplishments:

- Developed a decentralized application interface that enhanced user interaction with blockchain features, contributing to team's 2nd-place finish at ETHCapeTown.
- Implemented real-time data visualizations using TypeScript, improving user experience and earning positive judge feedback.

Frontend & Backend Developer | Marketshader (Live & Ongoing Project)

October 2024 – Present | Remote/Nairobi, Kenya

- Lead frontend development using React and Tailwind CSS, creating a responsive and visually appealing user interface for a live web application.
- Designed and implemented backend models using Flask and PostgreSQL, ensuring robust data management for the platform.
- Deployed and managed application infrastructure on Google Cloud VM instances, gaining hands-on experience in cloud computing.
- Collaborated with a distributed team to integrate APIs and optimize system performance, following Agile methodologies.

Key Accomplishments:

- Reduced page load times by 30% through frontend optimizations and efficient cloud resource management.
- Developed scalable backend models that support real-time data processing, enhancing platform reliability for end users.

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EDUCATION

Moringa School

Certificate in Software Engineering, 2024

Techcamp Kenya

Certificate in Software Development, 2023

VOLUNTEER EXPERIENCE

Peer Coding Instructor & Tech Mentor (Jan 2024 – Present)

- Designed and led hands-on workshops on **React, Tailwind CSS, and Flask**, emphasizing real-world web development practices.
- Developed project-based lessons to demonstrate **UI/UX design, backend integration, and full-stack application deployment**.
- Provided **technical support, code reviews, and debugging assistance** to peers during coding sessions.

Collaborative System Developer (Ongoing)

- Developed full-stack applications, including **rental management platforms, financial tracking apps, and messaging systems**, leveraging **React, FastAPI, PostgreSQL, and Firebase**.
- Managed end-to-end development, from **UI/UX design to backend logic and database integration**.
- Utilized **GitHub for version control, collaborative coding, code reviews, and testing** within a team environment.

Self-Initiated Projects & Continuous Learning

- Engineered functional applications by **exploring and integrating new frontend and backend technologies**.
- Actively enhancing expertise in **cloud security, API design, and modern deployment practices (e.g., Docker, Vercel, Render)**.
- Maintained a **personal GitHub portfolio** showcasing continuous learning and development.

Coding Group Organizer

- Organized and facilitated a peer coding group to **foster skill-sharing, project feedback, and continuous learning**.
- Led collaborative coding sessions, promoting **growth and confidence in new tools and frameworks**.

REFERENCES

Stephanie Ndungu

Team Leader in Hackathon Project

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