ZAKI JAMES

Software Engineer || Full-Stack Developer

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Summary

Hi, I am a software engineer, with a healthy amount of curiosity to learn and build scalable projects that would make a change in today and the future era as well. I'm also a video game, everything automotive and film geek, not to mention comic books! I love fusing all my interests into one technological playground for me and others to enjoy!

Link to my portfolio:

Skills

Languages: HTML, CSS, Javascript, Python, PostgreSQL, Kotlin

Frameworks/Libraries: React, Flask, Tailwind,

Tools: Git, GitHub, VS Code

Projects

LOOTBOX

HTML | CSS | React Router | API | JSON Server

Lootbox is a simple gaming themed application where it generates a random game for you to try out, specifically designed for me as I am a heavy consumer of video games and sometimes finding a new game can be cumbersome.

It uses simple HTML code and vanilla CSS styling to run, fetches game data using an API key from a public video game database.

Tuinue Wasichana

React | CSS | Python | Flask | PostgreSQL

Tuinue Wasichana is a web application built to help in the support of young girls and young ladies all over the world through charities or even sponsoring a singular kid, the application is all flexible for a donor charity or even admin and all have dashboards for ease of access to help in managing data.

The frontend was built using React js and the backend using PostgreSQL, it uses a whole made server for ease of transfer of data from the input or request and back, a quick to and fro setting.

The app is still always under testing to ensure the scalability probability is always on an all time high.

Education

Moringa School

Software Engineering Program | 2025 January – 2025 August
Enrolled to upskill my knowledge in the Technological Field, what I can say I learned the most during the Program is the art of collaboration with others and networking as well. At the same time I learned valuable skills there and also opened my field of view in matters Software Engineering.

I'm currently waiting to graduate and get the certificate as well.

Self Taught Period

Software Engineering 2023 October – present (Always learning something new!)

I started the self learning out of curiosity using resources like Scrimba, Free code-camp and Youtube as well to learn more on said field. Eventually cemented the thought that this is what I loved and will love doing long term as well, I had wanted to join the Moringa Program or something similar to that in 2024 but upon thinking about it I decided to keep learning by myself and then later upskill instead of learning from scratch entirely when I eventually joined an institution.

As of Now I'm learning cyber security to boost my competence in software maintenance and security for my clients while also offering Cyber Sec services.

Thika Technical Training Institute

Mechanical Engineering | 2021 – 2026
Didn't complete the program.

I wanted to specialize in mechatronics, after the Mechanical Engineering program, but I realized I was way more interested in the software part of mechatronics and decided to actually pursue what I loved instead.

I then decided to self teach myself acquiring certificates online then upskilling in Moringa's Program, it was tough not having a sense of urgency while on the self-taught journey but either way it helped me build a strong discipline to work and always have a goal in mind!

Kenyatta High School Mwatate

Highschool Education | 2016 – 2019

KCSE Certificate

Work Experience

Freelancing

Agribusiness Project (commercial)

Lead owner/supervisor 2023 June – 2024 July
Taveta in Taita Taveta County

During this time I was running a 7acre commercial farming agribusiness located in Taveta, charting my produce to parts of lower coast and some to Tanzania as well. The produce farmed was cereals (mostly beans and maize) and tomatoes as the main produce due to its high yield and revenue.

The time spent there taught me on how to be a leader despite age difference as I was handling up to 10 workers on separate occasions, challenges faced were still

connected to my age but again that taught me how to be both a stern leader and also a reasonable leader to your workers.

Sichey Automotive

Mechanical Engineer 2022 February – 2022 May

The period stated was an attachment while at Thika Tech pursuing Mech Eng. I learnt a lot on my stay there mostly how to work with others as a team and also how to work under pressure as well.

Technologies/Skills I'm Learning Right now.

1. **Three.js** - I love creating, which is why im diving into 3D animations using Three.js.
2. **CyberSec** - I'm learning this to enhance security for both my clients and my personal projects.
3. **Kotlin multiplatform** – I'm exploring this to expand my reach in app development across multiple platforms.
4. **Blender** – This alligns with my passion for creation and storytelling through technology.