SAMUEL MBUGUA

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EXPERIENCE

Full Stack Software Engineer - Systech Limited   *Jan 2017 – Present*

Worked on the planning and development of a Pension Administration System.

- Redesigned members' portal and created features to enhance the **user experience** and **optimized** designs for **smartphones**.
- Build **Back-End APIs** for peripheral services (Ussd, mobile App, members Portal) serving and requesting data from the core system.
- Translated **designs and wireframes** into a highly responsive **user interface** and **reusable components** using **javascript frameworks.**
- Used **Back-End APIs** to display data using the **Custom Components, library Components, and Redux.**
- Used **JIRA** as the bug tracking system to track and maintain the history of **bugs/issues** on an everyday basis**.**
- Integrations of payments capabilities both B2B and B2C with different payment providers.
- Created Security Pipelines for development and deployment.
- I engaged the client for important system upgrades or critical bugs.
- Involved in development of Register Module, reporting, accounts and Administration modules.

PROJECTS

Property Management Application

- Built a private Django driven property management system with ability to send invoices and receive payments through payment methods.
- Automated receipts and invoice dispatching on payment done.
- Added AI prediction on the property search feature.
- Used **React-Router** to turn the application into Single Page Application.

Shajara (modern school diary)

- Participated in the design and building of Back-End APIs for a modern mobile application.
- Migrated Java to Python Backend DRF.
- Updated the authentication method to OATH2

Infinite Covers Shop

- Developed a web commerce ecommerce website for selling of local goods.
- Used **static site generation** resulting in faster load time and increasing efficiency.
- Used **Firestore** for user authentication and saving of user data and **SWR** for fetching for data.

Food_Nutrients_Count ML application

EDUCATION

Jomo Kenyatta University of Agriculture and Technology   **2012 – 2016**

Bachelor of Mathematics And Computer Science – Second Upper Class

SKILLS

Strongest Areas: Data Structures, Algorithms, Web Development, Deep Learning, Automation, Security

Languages: C++, Javascript, Python, Java, Go

Tools and Frameworks: React.js, Django, Springboot,Flask, Git, Github,ElasticSearch , HTML, CSS

Database: MongoDB, Firebase,Oracle,PostgreSql

Platforms: Vercel, Heroku,AWS

PUBLIC

- https://www.linkedin.com/in/mbuguasam/
- http://skanice.pythonanywhere.com/

ACHIEVEMENTS

- I have solved 500+ problems in Leetcode and hacker rank.
- I have several security certificates from Try hack me and Virtually Testing
- I was present among the top 10 teams among 50 teams in Code Break 1.0 hackathon conducted by MIT WPU, Pune.