

Esther Muthoni Muigai | Curriculum Vitae

BIO

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PROFESSIONAL SUMMARY

Resourceful software developer adept at finding solutions, ensuring client satisfaction, collaborating and working on multiple IT projects. Passionate coder with penchant for developing customized interfaces that factor in unique demands for accessibility, reachability and security. Organized approach to meeting multiple, concurrent deadlines. Pulls from active knowledge in the current technology landscape to promote best practice in web design and development.

TECHNICAL SKILLS

- **Languages:** JavaScript, Python, TypeScript, CSS/SASS/SCSS, HTML
- **Front-end framework:** Angular
- **Server-side framework:** NodeJs, Django, Flask, Express.js
- **Database:** MySQL, PostgreSQL, MongoDB and CouchDB
- **Development:** RAD, JAD, Agile
- **Tools:** Jira, Kanban

WORK HISTORY

Software Developer - Full Stack Developer • *Health-e-net*
Nairobi, Kenya | March 2021 to current

Stack: Angular, PouchDB, CouchDB, Express.js, NodeJs • *Agile development*

Responsibilities

- Demonstrate understanding of the key processes that will be supported by the application.
- Document system requirements (e.g. using user stories, use cases and expected test results.)
- Develop a user interface which supports the key processes, is intuitive to use and enables rapid adoption by the targeted clinical staff.
- Develop validation, business rules, components and modules that support the identified processes.
- Unit, integration, performance, scalability and system testing to ensure that all development is in line with the defined requirements and acceptance criteria.
- Supporting user acceptance testing by providing rapid feedback on issues and changes raised and resolving issues.
- Creating documentation that will enable process-based training of systems to be carried out by other team members.

Software Developer - System Interface Design • *Medbook Africa*
Nairobi, Kenya | June 2019 to February 2021

Stack: Angular, PHP, MySQL • *Agile development*

Software Projects

- ***MediHealth v1.0.0***

Created wireframes, process flows and site maps to effectively communicate interaction and design ideas for a hospital management system to ensure usability, usefulness and user friendliness to all our health facilities. Developed key functions for doctors, nurses and medics.

- ***Flora v1.0.0***

Worked on storyboards and user flows for a female friendly mobile application. Developed UI mockups and prototypes that clearly illustrated the site functionality and coordinated with the mobile team in engineering.

- ***Mediclaime v2.0.0***

Participated in translating high-level insurance requirements into interaction flows and intuitive and functional user interfaces. Translated the application from AngularJS to Angular 9.

- ***Medbook App v1.0.0***

Executed all visual design stages from an appointment booking application concept to user stories and finally to engineering. Participated in design, development, maintenance and version control.

EDUCATION

Full-stack Web Development - Moringa School - Certified

January - June 2019

Training to be a professional Full Stack Software Engineer who can handle all the work of databases, servers, systems engineering, and clients.

Bachelor of Business Information Technology - Multimedia University - 2nd Class Upper

September 2014 - November 2018

Studying professional and social aspects of computing, development of information systems, information security and human-computer interaction

Kenya Certificate of Secondary Education (KCSE) - Alliance Girls' High School

February 2009 - November 2013

Secondary School Certificate A-

Kenya Certificate of Primary Education (KCPE) - Emmanuel Complex

November 2008

Primary School Certificate 416

AFFILIATION & LEADERSHIP

- President, AIESEC in Multimedia University of Kenya | January 2018 - January 2019
- Publicity Secretary, Multimedia University Electoral Commission

VOLUNTEER ACTIVITIES Volunteer IT Assistance Step for Safety, UNHCR | 2018

Responsibilities and Achievements

- Simulation of the refugee recruitment process at Daadab
- Recruitment of AIESEC volunteers for the event
- Social Media Marketing for the event

INTERESTS

- Arts & Travel | Public Speaking | Education & Youth Empowerment

REFEREES

1. **Mr. Reinhard Odhiambo**
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2. **Mr Benard Koech**
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