

FATMA ABDULQADIR MWINYI

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EXPERIENCE

Software Developer at Sawasawa LTD Oct 2019

- Responsible for gathering client requirements and implementing them and development of MIS (Management information Systems). Modification of existing information system by improving their functionality and user experience by 80%.
- Client support in web services such as hosting, server space and cloud provision and setting up Virtual machines for them.

Web Developer at Biocard Feb 2019- Aug 2019

- Coordinated with systems partners to finalize designs and confirm requirements. Developed data architecture design to enable analysts to perform targeted customer analysis. Design and development of websites. Responsible for managing the company databases.

Software Engineer Intern Presidential Digital Talent Program |ICT Authority|KRA|Biocard April 2018-April 2019

- Developed and implemented an incident management system to capture incidents that are reported in the organization using PHP for Back end, MySQL Database and HTML and Bootstrap for front End. Recommended and improved by 80% the inventory collection technique by introducing the usage of online data collection tools ODK.
- Innovation of a decentralized medical system with ICT Authority (Research and development).

EDUCATION

November 2016 Bachelor of Science in Information Technology
Jomo Kenyatta University of Agriculture and Technology
Second Class Honours (Upper Division)

SKILLS

- Software:(Proficient) Python (Flask), JavaScript/React Js, HTML5, CSS3 and B4A (familiar) C++, C#, Java and PHP
- Web design and development:(proficient) WordPress, Opencart
- Technologies: IT, RESTful API, Docker, Kubernetes, Distributed Ledger Technologies (IPFS, Hyperledger and Ethereum).
- Database: MySQL, Oracle, MongoDB
- Other Skills: Training, Excellent Problem-Solving Skills, Excellent communication skills.

PROJECTS

- **Covid-19 Tracker App**
 - Created a web-based application to track real time incidents of covid 19 infections, deaths and recoveries worldwide.
 - Utilized: ReactJS, Disease.sh API, React Leaflet for maps, and ChartJs for plotting Realtime data on a graph
- **Autonomous Car**
 - Designed and created a Robotic car with controlled speed and steering, which could sense obstacles and change direction.
 - Utilized: C++ programming language, Arduino, raspberry PI and motors
- **Recipe App**
 - Built a recipe search web application where the user just keys in any food and it searches for all the recipes and brings back the results.
 - Utilized: React JS and Food2Fork API.
- **Ethereum IPFS system**
 - Built a DAPP (Decentralized Application) to upload and store documents on the on a distributed database.
 - Utilizing: Ethereum Blockchain, IPFS, web 3.0, Metamask and React Js
- **Supply Chain system**
 - Currently researching and building a blockchain based supply chain systems.
 - Utilizing: Hyperledger.

ACCOMPLISHMENTS AND CERTIFICATIONS

June 2019 Completed a course in blockchain for Business from EDX

May 2016 Certificate in web development.