MUTUA MWANGANGI

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Summary

Am a results-oriented software developer and research professional with four years' experience in both development and research positions. I am passionate about enhancing user experience and maximizing user interface and processes automation. I make it my goal to create software with the user in mind, creating applications with a usable and intuitive user interface experience. I also understand the importance of creating highly readable and easily maintainable source code. I am constantly striving to learn new technologies and look for ways to better myself in this rapidly changing technology industry.

Am an ambitious problem solver with a passion for solving business and Organisation problems and would like to join a team of like-minded people. I have much experience of creating logical and innovative solutions to complex problems. Am thorough and precise in everything I do, and am keenly interested in technology, web applications, mobile applications and user experience. Am a natural problem solver, who has proven himself by successfully completing projects for IT consultancies, software companies, web design agencies and IT departments.

I am dedicated to continuously developing, implementing and adopting new technologies to maximize development efficiency and produce innovative applications. Am looking for a suitable position with a company where outstanding performance is recognized and where I can work on a variety of projects as I advance my career.

Objectives

To obtain a position both as a Web and Mobile application developer and Business and Organization processes automation in a fun, fast paced, cutting edge, innovative environment that promotes teamwork and integrity and that fosters personal and professional development.

Technical Skills

Languages: C#, PHP, JavaScript, CAL, AL, SQL, HTML.

Databases: MySQL, Firebase, SQLite, Oracle, Ms SQL.

Development Software: Visual Studio Code, Ms. Visual Studio, Git, Sublime, Atom, Android Studio.

Technologies: RESTful services, JavaScript frameworks, Laravel, Codeignitor, ASP .NET, Mpesa Integration, Banking Systems Integration.

Application / Web Servers: Apache, LAMP, Xampp, Wamp, Ms. SQL Server Management

Web Services: OData, Soap and REST

Platforms: Windows, UNIX/Linux

Cloud services: Amazon AWS, Google Cloud, Microsoft Azure, SharePoint

Work Experience

Techno - Functional Consultant and Developer- Dynasoft Business Solution LTD

Dates: October 2020 – Current

Techno - Functional consultant developing implementing Microsoft Dynamics 365 Business Central and Microsoft Dynamics NAV, Microsoft Azure, SharePoint, Power BI, NavXtender, Microsoft SureStep Methodology, Project Management, Office 365, Web Portals and Web Services.

Responsibilities and Achievements

1. Performed planning, analysis, designing, requirements definition, functional design, development, testing and implementation of IT solutions.

2. Provided support, assistance, and training to end users.
3. Meets with decision makers, systems owners, and end users to define business requirements and systems goals, and identify and resolve business/ organization systems issues.
4. Ensured compatibility and interoperability of in-house computing systems.
5. Reviewed and analyzed the effectiveness and efficiency of existing systems and develop strategies for improving or further leveraging these systems.
6. Developed systems models, specifications, diagrams, and charts to provide direction to application developers.
7. Coordinated and performed in-depth tests, including end-user reviews, for modified and new systems.
8. Conducted research on software products to justify recommendations and to support purchasing efforts to organizations.
9. Introduced use of Cloud Architecture, PaaS, IaaS, and SaaS to accomplish planning, development, testing and implementation and operations of system solutions.
10. Led technological decisions, articulated alternatives and direction to Senior IT and Management when needed.
11. Writing standard and reusable code.
12. Optimizing products up to coding and developmental standards.
13. Engaged process Owners when doing project presentations.
14. Translated client expectations into technical systems

Achievements

1. Closing on projects and obtaining sign offs.
2. Mpesa Integration (Mobile Banking Integration)
3. Web Portal integration with SharePoint.
4. Integrating Banking System with Dynamics NAV.
5. Writing cleans codes which are reusable translating into increased output.
6. Increasing team spirits which lead into increased collaborations.

All links are available upon requests.

Lead Web Engineer - Brainverse Technologies

Dates: March 2020 – September 2020

Developed the Company's Startup Suites Software, websites, loan management system,

Video conferencing app.

Accelerated completion of pending projects

Technologies involved include PHP, Js, Html, Laravel, MySQL, GITSI.

Responsibilities and Achievements

1. Meet with Clients to Determine Website Needs

2. Wrote Codes for Website Applications
3. Collaborated with Designers to Perfect Site Aesthetics.
4. Trained and Mentored Junior Web Developers.
5. Prioritized software development projects, set timelines and assigned tasks to team members.
6. Developed wireframes to decide on layout.
7. Wrote or reviewed code for various applications.
8. Testing and debugging codes.
9. Collaborated with designers to decide on UI/UX elements (like graphics and navigation buttons)
10. Ensured our software documentation is up to date.
11. Collaborated with mobile developers to build mobile-responsive websites.

Achievements

The following links summarizes my achievements while in Brainverse Technologies.
https://www.startupsuite.app/

https://www.brainverse.co/

http://uniportloans.co.ke/

https://akotheefoundation.org/

https://viwandafrica.com/

https://chemba.app/

Senior Software Developer - Diltax Housing Agency

Dates: December 2019 – February 2020

Worked with the Company on Contract Basis.

Developed the Company's Hostel Housing Agency Software.

Technologies involved include PHP, Js, Html, Laravel, MySQL.

Responsibilities & Achievements

1. Developed high-quality software design and architecture for the housing agency.
2. Identified, prioritized and executed tasks in the software development life cycle of the housing agency.
3. Developed and implemented the housing agency software.
4. Integrated *Lipa na Mpesa* (Mobile Payment) to the system.
5. Directed software development projects.
6. Developed, tested and debugged codes.

7. Ensure software is up to date with latest technologies
8. Led and mentored junior developers.

9. Documented details of coding projects through a standardized process of writing program descriptions, cataloging changes made and recording all instructions.
10. Researched new technologies, advancements, and industry improvements in order to stay abreast of the latest developments and enhance the success of the company.

This is the link to the software: https://michutechhousing.co.ke

Graphics Designer & Software Development Consultancy - Thrift Closet

Dates: August 2019 - December 2019

Worked with the Company on Contract Basis.

- • Helped design both company's logo and website.

- • Offered IT services on consultancy basis e.g. Security, Mpesa Integration.

- • I also act as company's outsourcing and IT expert manager.

<u>Responsibilities & Achievements</u>

1. Maintained databases of client information with the strictest attention to privacy and security.
2. Prepared, installed, debugged, and analyzed solutions in harmony with system requirements and in conjunction with offering suggestions for policy change to improve operations.
3. Determined viability of solutions by evaluating current problems, future requirements, existing solutions, and customized programs.
4. Design software using collected data, systems analysis, and prior bug reports; confer with management teams regarding user reports to personalize software and increase productivity.
5. Developed the Company's eCommerce software.
6. Integrated the eCommerce platform with Mpesa.
7. Identified needs for new features and programs, and initiate projects to address those needs.
8. Served as a Technical Lead contributing to and directing the efforts of development teams, including internal and external team members.
9. Designed, developed, modified, implemented, and supported the eCommerce software.

This is the link to the software: https://thriftcloset.co.ke

Consultant Software Developer - Revitalize Spa

Dates: September 2019 - November 2019

Worked with the Company on Contract Basis.

- Developed and designed company's website with booking modules
- Developed web services which increased company's sales
- For all projects coding responsibilities involved all areas of development including front end (PHP, Js, WordPress, Html5, CSS)

  This is the link to the software: https://revitalize.co.ke

2019 Census Officer, KNBS

Dates: August 2019 - Sept 2019

- Played all roles as Census Enumerator.
- Counting People of Makueni Area and Emerged as the leading County in Country in terms of Efficiency and Effectiveness.
- Troubleshooting CAPI (Computer Aided Personal Interface)
- Coordinating people and cooperation with other Census Officers

  KNBS, 2019 Census, Makueni County.

Software Consultancy - Ibiza Spa

Dates: April 2019 – July 2019

Worked with the Company on Contract Basis.

- Developed and designed company's website with booking modules.
- Installed company's Wi-Fi and I oversaw company's internet network
- Designed and implemented Quality Advisor header, feature menu system, and User Admin area.
- Developed web services which increased company's sales
- For all projects coding responsibilities involved all areas of development including front end (PHP, Js, WordPress, Html5, Css)

  This is the link to the software: https://ibizaspa.co.ke

Industrial Attachment - Digi Soft Solutions Ltd

Dates: January 2019 – April 2019

Worked with the Company on Contract Basis.

- **Pablo Gift Shop** – Helping with app redesign. Addressed performance in multiple areas. Added image caching, and redesigning user interface.
  https://pablogiftshop.com/
- **Gelis Gift Shop** – Ecommerce Website for Selling Clothes.
  http://gelisgiftshop.com/
- **Matatu Sacco** – A matatu management android Sacco app for managing members of Rukagina Sacco.
- Played a vital in troubling of machines and networks and also oversaw the implementation of the origination's networks.

Konnectify Kenya.

Contract Dates: January 2018 – December 2019

Worked with the Company on Contract Basis.

- Performed in a Lead developer role on School ERP web app. App allows teachers to manage students' data. It also help the school management in the daily running of the school. It helps parents to pay for school fees via Mpesa and other mobile payment methods. It has modern school modules.
- Developed seasonal planning web apps using PHP and JavaScript frameworks Cloud server management via AWS.
  https://konnectify.co.ke/

System Administrator, Bata Shoe Company Kenya

Dates: January 2017 – December 2017

Worked with the Company on Contract Basis.

- Developed and designed company's website.
- Developed web services which increased company's sales

- For all projects coding responsibilities involved all areas of development including front end (PHP, Js, WordPress, Html5, CSS)
- System and Network administrator.
- Developed and Integrated the Company's ERP modules.

Education

Dedan Kimathi University of Technology

Nyeri Town, Nyeri Kenya

BSc. in Business Information Technology – SECOND CLASS HONOURS UPPER DIVISION; Graduated 8th May 2020, August 2016 – December 2019

Ngenia High School

Limuru, Nairobi Kenya

Kenya Certificate of Secondary Education (KCSE) – B+; January 2012- November 2015

Kalanzoni Primary School

Machakos, Kenya

Kenya Certificate of Primary Education (KCPE) – B+; 2005- 2011

Areas of Expertise

Dynamics NAV and Dynamics 365 BC

Web application development

Mobile applications

Identifying Technical Solutions

Solution Architecture

Troubleshooting

Networking and Configuration

Search Engine Optimization

SharePoint

Power BI

Web Services – OData, Soap, Rest

Bug fixing

Personal Skills

Team Player

Problem Solving

Creative Thinker

Innovative

Reliable

Project Management

Analytical

Dynamic

Attention to Details

Tactful & Articulate

Conferences & Membership

- GDG Kimathi – Google Ambassador
- Adela Meet Ups – Adela Meeting
- Droids Ke – Android Coders in Kenya
- Kenya Web Developers – Member

- CSK- Computer Society of Kimathi –Member
- CSK- Computer Society of Kenya –Member

Relevant Links

LinkedIn: https://www.linkedin.com/in/alfredsjunior/

Website: https://alfredsjunior.github.io/

Certifications
- Microsoft Dynamics 365 Fundamentals
- Microsoft Dynamics 365 Business Central Functional Consultant

Referees

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