INNOCENT ALFRED NGOWI
CURRICULUM VITAE

Contact Information

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Personal Profile

Date of Birth: 08/09/1988
Place of Birth: Kilimanjaro
Nationality: Tanzanian
Marital Status: Married
Languages: English and Swahili

Summary:

A highly skilled and experienced software developer with a focus on ASP.NET Core and Blazor. Strong expertise in full-stack web development and a track record of delivering high-quality solutions. Passionate about creating efficient and user-friendly applications to drive business growth.

Work objectives

Seeking a position to utilize my skills and abilities in the Information Technology Industry that offers professional growth while being resourceful, innovative and flexible.

Technical experience:

- Programming Languages: C#, JavaScript, HTML/CSS, SQL,
- Web Development: ASP.NET Core, Blazor, MVC, RESTful APIs
- Databases: SQL Server, MySQL, MongoDB
- Version Control: Git
- Agile Methodologies

Skills:

- Programming Languages: C#, JavaScript, HTML/CSS, SQL,
- Web Development: ASP.NET Core, Blazor, MVC, RESTful APIs
- Databases: SQL Server, MySQL, MongoDB
- Version Control: Git
- Agile Methodologies
- Data analysis and Visualization with R
- Data analysis & Visualization with Python
- Foundation of Statistics
- Machine learning with Python parallel computing Hadoop & Spark

Work experience:

Dec, 2013 to Date: Software developer;   Tanzania Police Force (TPF)

The Tanzania Police force is a national body in charge of law enforcement in Tanzania.

Duties and responsibilities

- Reviewing current systems, Determining operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solutions, including cost proposals
- Developing software solutions by studying information needs; conferring with users; studying systems flow, data usage, and work processes; investigating problem areas; following the software development lifecycle.
- Update job knowledge by studying state-of-the-art development tools, programming techniques, and computing equipment; participating in educational opportunities; reading professional publications;

maintaining personal networks; participating in professional organizations.
- Work in Conjunction with other Software Development Experts from other Entities to deliver professional and robust Software that is cross platform.
- Obtaining and licensing software by obtaining required information from vendors; recommending purchases; testing and approving products.

Achievements
- An opportunity to deliver Software and training for a National-wide System.
- Good experience in building Enterprise Software that is Cross-Platform.

Sept 2015 – Oct, 2015: "Incidence Reporting and Response System (IRRS)" Project

I took a lead role in designing and developing an advanced .NET platform to allow the police to handle incident reports made by members of the public. I was responsible for the creation of project management and training documentation and personally delivered training to over 40 police operators. The system integrates with country-wide digital radio equipment to allow police to easily communicate with each other via the application.

Achievements
- Took part in design sessions for a multi-layered enterprise architecture system using latest .NET (C#) and MS SQL. I used cutting edge frameworks such as Entity Framework and SignalR to provide a highly advanced technical solution.
- Created and delivered full training package to operators of the system and oversaw deployment of the solution to many police stations around Dar es Salaam and the wider country.
- Development of front end MVC5 application using Bootstrap, JQuery and other frameworks such as AutoMapper. Used code first to create database schema.

July 2016 :   "Human Resource Management Information System (HRMIS)" Project   At Tanzania Police Force

Human Resource Information Systems (HRMIS) is to develop and lead information system plans that meet Human Resources' automation, data, records and information management requirements. The department's primary focus is on establishing integrated systems for the administration and deployment of strategic Human Resource information, programs, and services.

Achievements
- HR and Management Reporting
- Leave Accrual Rate Reconciliation (Service Computations)
- Request for employee data and information

Project experience:

2016 – Sept, 2016:   IT Specialist and System developer;   Hekima Education Center, Tanzania

Asylum Access is an organization providing legal assistance to refugees in Tanzania.

Duties and responsibilities
- Building an Information System for the organization that is a Client-Server Windows application for capturing refugees' information, organizing the information into a database and generating reports for the organization's weekly, monthly, quarterly and annual assessment.
- Coordinate and link the computer systems within an organization to increase compatibility and so information can be shared.
- Assess the usefulness of pre-developed application packages and adapt them to a user environment.
- Provide staff and users with assistance solving computer related problems, such as malfunctions and program problems.
- Train users to use new or modified equipment.

Achievements
- A working Information System that organizes refugees' information in the organization.
- Experience in working with real staff, and giving professional assistance as needed.
- Satisfaction from office staff due to my real time technical work.

June, 2017 – Sept, 2017:   System Developer;   KIJICHI SACCOSS:

KIJICHI SACCOSS:: is a group of women who contribute and lend money to each other and invest in various businesses for the economic growth of group members.

Duties and responsibilities
- Analysis of the information organization of the group and understand system usability.
- Develop an Information system responsible to record and process financial information according to their contributions, loan disbursement, loan repayment and interest calculations; register businesses invested in and record periodic group meetings data for later retrieval; and process reports for the group financial standing.

Achievements
- A working Information System that collects, processes and stores information for recording for the group.
- Experience in working with the group, and deliver professional work.
- Satisfaction and appreciation from group members for my technical work.

March, 2018 – June, 2018: System Developer; SCHOOL ACCREDITATION SYSTEM-Moest:

SCHOOL ACCREDITATION SYSTEM: System to register and coordinate teaching colleges, primary and secondary schools.

Duties and responsibilities
- To keep track on establishment of schools without buildings or using existing buildings.
- Proof of ownership of the school will be issued to the person who owns the land.
- Registration will be granted to an applicant who has completed all the eligibility criteria.

Achievements
- A working Information System that collects, processes and stores information for recording for the schools.
- Experience in working with the Ministry of education, and deliver professional work.
- Satisfaction and appreciation from Ministry of education for my technical work.

June, 2018 – Sept, 2019: System Developer; REVENUE COLLECTION SYSTEM (e-RCS)

REVENUE COLLECTION SYSTEM: Collect revenue from mobile operator(MNO's) and Banks

Duties and responsibilities
- Perform reconciliation
- Financial report

Achievements
- A working Information System that collects, processes and stores information
- Experience in working with the group, and deliver professional work.
- Satisfaction and appreciation from group members for my technical work.

June, 2020 – Sept, 2020:   **System Developer;**   **RITA-CIVIL REGISTRATION SYSTEM** :

RITA-CIVIL REGISTRATION: This is a new service that enables the applicant to submit an application to verify the birth and death certificate electronically from anywhere. The applicant will be required to scan the birth or death certificate he needs to be verified and then send it electronically to be verified. The verification answers will be sent to the account you opened and you will download the certificate you sent for verification.

Duties and responsibilities

- Analysis of the birth,death and verificatin information and understand system usability.
- Develop an Information system responsible to record and process information according to their application request.

Achievements

- Provide birth and death certificates.
- Provide certificates verification.

April, 2022 – July, 2023: System Developer; BRELA ONLINE REGISTRATION SYSTEM :

- **BRELA ONLINE REGISTRATION SYSTEM**:Perform Business registrations and Licensing Agency(BRELA), Patent registration and filing patent or utility model related documents

Duties and responsibilities

- Business name registration, change of particulars, paying annual maintenance fee, cessation and data update.
- Company registration, change of particulars, filing company related documents and annual returns
- Mark registration and filing mark related documents.
- Patent registration and filing patent or utility model related documents

Achievements

- Business name registration, change of particulars, paying annual maintenance fee, cessation and data update.
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Education:

Sept– Dec 2019:   Professional Data Science Bootcamp
At *Nyc Data science academy* –**New York -USA**

Jan– March 2017:   Professional Development Programme Certificate – Advanced IT in Law
Enforcement and Web Development:
At *National Crime Record Bureau* –**New Delhi India**

2009 – 2012:   Advanced Diploma in Computer Science:
                           Institute of Accountancy Arusha

2007 – 2009:   Advanced Certificate of Secondary Education Examinations:
                         Tanga Technical Secondary school

2003 – 2006:   Certificate of Secondary Education Examinations:
                         Umbwe Secondary School

Other activities & hobbies:

- Reading Sci-Tech newsletters, Articles.
- Surfing the web.

Referees:

GERALD MALISA	DR. GABRIEL JOSEPH MUKUNGU	BROWN ONESMO LEKEY
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Declaration:

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

NGOWI, Innocent .A.