

Munyaradzi Matindike

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PROGRAMMING SKILLS

- **Languages:** C# ,Java & PHP
- **Technologies:** ASP.NET,.NET Framework, Android Programming , SolidWorks,Matlab,Arduino UNO, Laravel
- **Tools:** Bitbucket, Jira & GitHub for Git version control,SmarterASP.NET for cloud hosting, POSTMAN for API testing endpoints and documentation
- **Databases:** SQLite,MySQL,SQL Server Management Studio, Azure Data Studio

EXPERIENCE

Axis Solutions, Zimbabwe
Intern Software Developer

Oct. 2021 – Oct 2022

- Integrating point of sales systems with **fiscal API's** to allow communication between revenue authority & taxpayer companies
- Creating **documentation & user manuals** for programs developed for user
- Testing the programs using **unit testing & Postman** to validate & verify functionality of API
- Designed and developed a point of sale system for tax payers using **N-tier Architecture** compliant with revenue collection authorities for use by retail shops
- Designed and developed a program for picking **Invoice Amount/Invoice Tax & Invoice Total on tax** invoice receipts with low-code activity for the end-user
- Hosting fiscal programs using **Azure Cloud & IIS** for retail shops
- Debugging & troubleshooting client bugs in hosted software providing immediate solutions e.g. annual license expiry, receipt customization.
- Designed and developed using **.NET** framework a program for checking licensing of fiscal licenses.
- Designed and developed using **.NET** framework a program for automatic printing of barcodes of a local bakery
- Writing **user documentation** for fleet management system & carrying out user acceptance testing.
- Version control using **GitHub & bitbucket** for managing code bases
- Responsible for appropriately assisting retailers with Point Of Sales to design their receipts to align with our **RevMax API** responsible for recording taxable transactions to record to revenue collection authority electronically
- Design and configuration of web service for revenue collection with clients who sell on Web using **Internet Information Services(IIS)**
- Used **SQLite** to renew customer licenses by updating timestamps through writing scripts to extend period
- Integrating **dynamic link library** API with other Point Of Sale systems using OOP principles

Axis Solutions, Zimbabwe
Graduate Trainee Software Developer

Jul 2023-Jun 2024

- Optimized **synchronization** engine performance by introducing stored procedures in online payments system, resulting in a significant reduction in data transfer latency from local servers to the online database SQL –Server
- Converted PHP programs to **N-tier Architecture** for improved scalability and streamlined development to C#
- Designed API for revenue collection web application using **CLEAN** architecture for wildlife company revenue collection
- Design of database schema and hosting on **Smarter asp.net** for wildlife company data
- Testing REST API endpoints and creation of API documentation using Postman for including request parameters, responses, and error handling
- Design , development of WhatsApp chatbot using **Messagebird** and integration of payment gateways {**Paynow & Contipay**} to allow customers pay, view balances and get bill statements
- Development of worker services applications using C# that sync transactions from online Payments to local database using ODBC drivers
- **Azure DevOps** for project documentation, task tracking & version control
- Integrating **Serilog** for creation of logs for exception documentation and error logs in worker server applications
- Leveraging **Dapper** for database querying and data mapping in .NET to execute transaction and account SQL queries, implementing parameterized queries, preventing SQL injection vulnerabilities.
- Utilized **Ngrok** to expose localhost endpoints, enabling external access for testing and debugging API requests in a real-time environment

Software Developer

Jun 2024- Present

- Developed a local authority WhatsApp chatbot for municipalities to enable payers pay, view balances, request support securely via WhatsApp.
- Developed an API to sync online transactions from banks to local authorities ERP's.
- Developed an accounting module that is IPSAS compliant for government schools in Zimbabwe

EDUCATION

MSc. Mechatronics & Artificial Intelligence
University of Zimbabwe

Aug 2023- Dec 2024

BSc. Honors Computer Science
University of Zimbabwe

Aug 2019-Jun 2023

SCHOLARLY CONTRIBUTIONS

- **2nd Year CAPSTONE PROJECT** : DEEP LEARNING WEB APPLICATION FOR DISTINGUISHING COVID-19 VIRUS FROM PNEUMONIA POSITIVE PATIENTS FROM MRI SCANS: COVID-19, PNEUMONIA POSITIVE, AND NO PNEUMONIA CLASSES
Area of focus: Artificial Intelligence
Grade : 2.1

- **DISSERTATION TOPIC:** IMPROVING STUDENT GRADE PREDICTION: MACHINE LEARNING ALGORITHM COMPARISON WITH ENHANCED PARAMETERS AND DATASETS.
Area of focus: Artificial Intelligence
Grade : Distinction
- **THESIS TOPIC:** Design of a Modular Snake Robot with Computer Vision for Real-Time Navigation in Mine Collapse Search & Rescue Operations published under {Inter Journal of Computer and Digital Systems}
Area of focus: Industrial Robotics & Artificial Intelligence