

WORK SAMPLES

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Software Engineer

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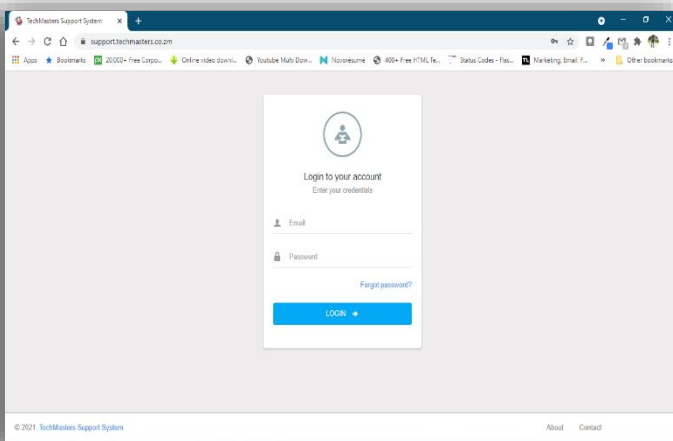
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August 2019 –
December 2019:

Techmasters Support System (TMS)



Summary description of work:

- Using PHP, Ajax and MySQL. The system was designed to track call resolutions for tickets created and produce reports when needed.

Steps taken to complete the work:

- Used OOP in PHP for the backend
- Used HTML, CSS and Ajax for the frontend
- User MySQL for the database

Information & skills gained :

- Database normalisation and relational mapping
- Data integrity and code readability
- Version Control (GIT)

January 2016–
March 2016

School Management System

[Isaac Hatilima - YouTube](#)



Summary description of work :

- Using C# and MSSQL, the system was designed to help schools move away from paper driven way of managing school affairs.

Steps taken to complete the work :

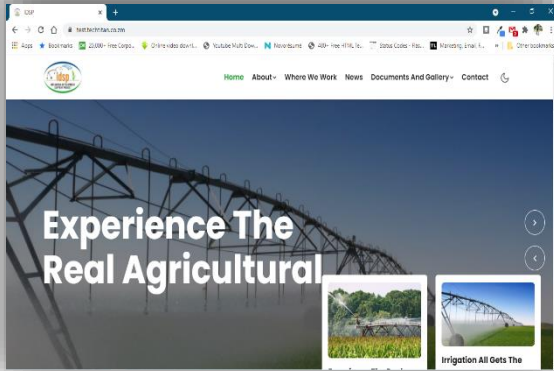
- Analysis of how learners' academic results and payments were handled manually
- Designed the system based of the finding above

Information & skills gained:

- Database normalisation and relational mapping
- Data integrity and code readability

May 2021 –
To Present :

IDSP Website, MIS and Document Repository
<https://idspzambia.org>



Summary description of work:

- The application is a three-tier app comprised of a Website, Document Repository and MIS. The application is developed in Python Django.

Steps taken to complete the work:

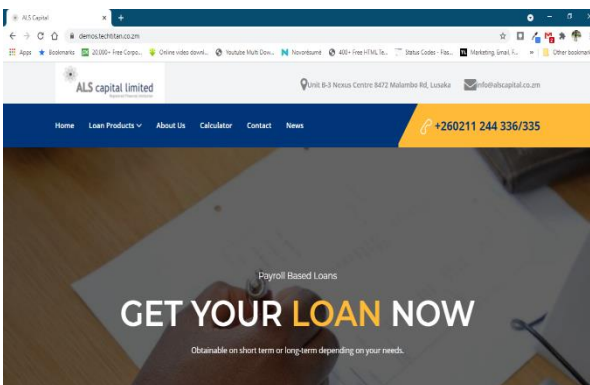
- Understanding the relation among the three-tiers and designing them in a way that they all point to a normalised database implementing security features such as sessions, hashed public ids, user authentication etc.

Information & skills gained

- Object Relational Mapping (ORM)
- Git Version Control on deployment

April 2021 –
May 2021

ALS Capital
Web: alscapital.co.zm



Summary description of work:

- The website is developed in python Django to market the firms' products and services

Steps taken to complete the work:

- Understand the firms' products and service in order to develop the Amortisation Schedule.

Information & skills gained:

- Amortisation Schedule Calculation.