Motjiang

Brilliant Nhlamolo

Software Engineer

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Gqeberha, Summerstrand

53 Gomery Avenue, 6001

Willing to relocate

1 week notice period

EDUCATION

National Diploma, IT

(software development)

Graduation Year: 2025

SKILLS & Competencies

C#, .Net Core 8 RESTful API

AngularJS , ReactJS

MS SQL Server, Azure DevOps

Object-oriented principles

Bootstrap 5, Tailwind CSS

Git, TypeScript, HTML, Unit Testing

ONLINE PROFILES

LinkedIn – Brilliant Nhlamolo Motjiang | LinkedIn

GitHub -Motjiang (Brilliant Nhlamolo)

Professional Profile

Third-year Information Technology student at Nelson Mandela University, specializing in Software Development and Information Systems. Passionate about creating efficient, scalable solutions and leveraging skills to develop innovative software that drives digital transformation and addresses real-world challenges.

Extra-Curricular

Datacom Software Development Job Simulation on Forage - July 2024

- Completed a simulation focussed on how the software development team at Datacom approaches their work

- Reviewed a web application and planned for future improvements

- Identified the root cause of bugs and implemented a fix to improve the application

Skyscanner Front-End Software Engineering virtual experience programme on Forage - July 2024

- Completed a job simulation where I built a web application using React as a front-end engineer at Skyscanner.

- Developed a page for picking a travel date using Skyscanner's open-source Backpack React library.

Certifications

Udemy - Build clean web application using ASP.NET Core MVC, Entity Framework Core, Identity, SQL Server and Visual Studio 2022.

In this course, I focused on building web applications using ASP.NET Core MVC, understanding its architecture and features, and utilizing Entity Framework to access SQL Server databases for CRUD operations. I also implemented pagination, search, and sort functionalities, learned how to pass data between controllers and views, and worked on user registration, authentication, and role-based authorization using Identity. Additionally, I developed features for editing user profiles, managing passwords, and creating a shopping cart and order system.

Link - Udemy Course Completion Certificate | Udemy

Projects

1. Ward Management System –
third-year project

The Doctor-Patient Subsystem provides an intuitive interface for doctors to seamlessly access patient folders, offering a comprehensive overview of patient history, chronic conditions, allergies, medications, vital signs, and treatment details. It enhances efficiency by enabling doctors to schedule ward visits, record patient interactions, and document personalized instructions for nurses. The subsystem also supports prescribing medication and facilitates streamlined discharge processes for recovered patients, ensuring effective care management and communication.

Technologies

ASP.NET Core MVC, C#, Object-oriented principles, MS SQL Server, Azure DevOps, Html, Css, Javascript, Bootstrap 5, xUnit testing, Dapper ORM. , Git

Live Site -soit-iis.mandela.ac.za/GRP-03-44

2. Product Management System

This project is a mini full-stack application designed to manage products effectively, consisting of a Product RESTful API and an AngularJS User Interface (UI). The API constructed using the Repository Pattern, Domain-Driven Design (DDD), and Test-Driven Development (TDD), serves as the backend for handling all business logic and data operations. The UI, developed with AngularJS, provides a responsive and user-friendly experience for end users.

Technologies

NET Core 8 RestFul API, C#, Object-oriented principles, MS SQL Server, EntityFrameworkCore, Html, Css, Javascript, Tailwind Css AngularJS 16. , Git

Repositories - Motjiang/Product_UI:

- Motjiang/ProductAPI:

3. The Read BlogPost -*in progress*

The BlogPost Website is a full-stack application featuring a RESTful API built

using ASP.NET Core and a front-end
User Interface (UI) developed with
AngularJS. This project seamlessly
integrates backend functionality with a
dynamic frontend to deliver a user-
friendly experience for both visitors and
authenticated users.

Technologies

NET Core 8 RestFul API, C#, Object-
oriented principles, MS SQL Server,
EntityFrameworkCore, Html, Css,
Javascript, Bootstrap Css AngularJS 16.
JWT authentication, Git

Repositories -
Motjiang/TheRead_BlogPost_API:

- Motjiang/TheRead_UI: