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Akhil Ishwarlaal

Software Developer

Portfolio: devakhil.github.io
Location: Johannesburg

SUMMARY

Passionate self-driven software developer committed to the philosophy of life-long learning with experience in developing commercial full-stack web applications.

EDUCATION

Durban University of Technology Diploma in ICT: Application Development	2018-2020
<ul style="list-style-type: none">Deans Merit AwardCum Laude Graduate	
Scottburgh High School Senior Certificate	2016
<ul style="list-style-type: none">Top Achiever for Computer Application TechnologyTop 5 Matric Achiever in Scottburgh High School	

EXPERIENCE

iLULA Software Solutions	March. 2021 - Present
Software Developer Director Location: Durban	
<ul style="list-style-type: none">Co-partnered in establishing a successful software company brand by providing consistent quality service to clients.Developed an educational ASP.NET MVC C# web application that aims to reduce the drop-out rate of colleges.Optimized user interface and user experience to be asthenic and functionally intuitive to targeted demographic.Developed a bot in NodeJS that improved productivity by over 50% when creating quotes and invoices.Improved company and clients brand utilizing Photoshop to create eye catching graphic designs.Increased audience reach for clients by designing aesthetic WordPress websites that aligned with their brand.Increased client retention by implementing automated billing utilizing Payfast API.Dramatically increased productivity and efficiency when dealing with clients by implementing a CRM.	
Durban University of Technology – Housing Department	May 2020 - August 2020
Junior Software Developer Part-Time Location: Durban	
<ul style="list-style-type: none">Developed a ASP.NET MVC C# web application used by 9 residences located across central Durban.Accurately digitized the existing paper-based accident and report system that was approved by the Dean and several resident advisors.Improved security by implementing role-based authentication for admins and residence advisors.Developed a feedback system to better understand students and resident advisors.Improved user experience by implementing search functionality to find student reports faster.	
Hlunga - Industrial Psychology Assessments	March 2019 – April 2019
Junior Software Developer Part-Time Location: Durban	
<ul style="list-style-type: none">Increased productivity by developing a digital filing system to store relevant data about assessment report.Improved user experience by implementing search filters.Increased web application and database performance by deploying on Azure cloud.	

SKILLS

Front End: HTML, CSS, JavaScript, Bootstrap, Razor Pages, React
Back-End: ASP.NET MVC, .NET Core, C#, NodeJS, MS SQL, Entity Framework, MongoDB, RESTful API
Development Tools: Git, Visual Studio 2022, VS Code, Azure Services
Design Tools: Adobe Photoshop, Figma, Lucid Charts
Project Management: Scrum, Agile, UML Diagrams, Prototyping

PROJECTS

Messenger King Courier System - [GitHub Source Code](#) / [Video Demo](#)

All in one courier system that handles both the customer and logistics side of the business.

- Worked with a scrum team to develop solutions to improve the courier delivery process.
- Developed an extensive web application using **ASP.NET MVC C#**.
- Designed user friendly frontend using **Bootstrap** and **Razor Pages**.
- Increased sales and improved customer engagement by implementing a reward system using **jQuery** and **JavaScript**.
- Improved customer service by developing instant quote functionality utilizing **Google Maps API**.
- Increased productivity and user experience by implementing track and sign features.
- Assisted courier drivers by implementing a navigation system that utilizes **Google Maps API**.
- Improved warehouse manager productivity by implementing a warehouse parcel tracker.

Career Smart – [Live Version](#) / [Source Private](#)

Career Smart is a web application that assists students in discovering their dream job by automatically determining their potential career interests based on an online career assessment.

- Gathered functional and non-functional requirements from the client.
- Designed and developed a database using **Code First Entity Framework** that accommodates client's requirements.
- Implemented **Payfast** gateway for secure payment.
- Designed a custom user-friendly career assessment quiz with **CSS** and **JavaScript**.
- Developed a function to automatically determine career interests based on the career assessment quiz.
- Improved user experience by using **Rotativa** library to generate a PDF document that provides an overview of results and student details.

Cryptocurrency Liquidations API - [GitHub Source Code](#) / [Video Demo](#)

.NET Core API that provides cryptocurrency liquidation information using Selenium to retrieve dynamic data.

- Utilized **.NET Background Services** to continuously fetch data 24/7.
- Developed a function that provides liquidation information for the past 1-, 4-, 12- and 24-hours utilizing **Selenium**.
- Discovered a way to provide graphs for multiple time frames using **Selenium Screenshot library**.
- Developed a function that provides latest individual liquidations that occurred across multiple blockchains.

Plumbing Inventory System - [GitHub Source Code](#) / [Video Demo](#)

Web application designed and developed for plumbers to keep track of their current inventory and calculate their expenses for each job completed.

- Developed ability to add new items and assign them to categories.
- Developed ability to add items to a particular job.
- Automated task of removing quantity used for a job.
- Automated task of calculating the total cost a job based on the items.
- Implemented search functionality to improve productivity.

LINKS

[LinkedIn](#)

[GitHub](#)

[Portfolio](#)