

I'm passionate young professional whose interests lie in learning the latest and greatest technologies whether that's the frontend or backend. I enjoy creating applications that use the latest features in addition to being user friendly. I am a adaptable and self-motivated learner.

I am experienced in working with teams and as a coach and controlling teams. Interested in new programming and data technologies, and continuous self-improvement. I am currently open to opportunities within the software programming discipline and if you feel like we would be a great match, I'd love to hear from you.

Skills

Programming Languages:

Java, C#, SQL, JavaScript (CSS, HTML)

Data Technology:

MySQL, MS SQL server, Oracle, Google Firebase, Mongo DB

Operating System:

Windows, OSX, Android OS, Windows phone

Frameworks:

.NET, Android, Angular

IDE:

Android Studio, Visual Studio, Visual Studio Code, NetBeans

Version Control:

Git, GitHub

Architecture Patterns:

N-Tier, Layered

Design Patterns:

OOP, MVC, MVVM, Singleton, Waterfall

Data Structures:

OO-List, Stack, Queue, LinkedList, non-Generic Collections

Other Tools:

AdobeXD, MS Office

Soft Skills

Teamwork, Independent, Communication, Problem solving

Projects

Goal Pro Solutions Android App

Created an Android Mobile application for non-profit organisation Goal Pro. The application is for students to set and achieve their goals in a fun environment with gamification. User can keep track of their goals, past marks as well as upload document and images about their schooling careers. Goal Pro strives to motivate, encourage and empower learners. Getting users to engage on the application by using daily notification reminders and gamification by earning point when goals are completed.

Transport Assistant Android App

Transport Assistant gives the users Real time GPS tracking and Real time traffic and other road incidents notifications to navigate in over 200 countries worldwide with turn by turn voice navigation powered by MapBox, with an easy to use user interface includes dark mode, users will feel comfortable from the word go.

Flappy Bird Game

Created an Android Mobile Game in Java. The objective of the game is to get the highest score possible. To gain score the bird (using bitmap) must catch a blue ball for 10 points and a gold ball for 100 points the balls move using the coordinates, the bird has 3 lives and must avoid losing lives but avoiding the black balls. The bird can regain lives by catching the unicorn. The background changes each level (using canvas)

Online Multiple-Choice Quiz

Created a C# .NET desktop windows form app as well as an online MVC app using OOP in Visual Studio, which allowed a lecturer to login using MVC & SQL to store user authentication, they can make an MCQ (Multiple Choice Quiz) and save the MCQ to a SQL DB and store it on a Microsoft Azure Online Web Server.

Students can login to the online app and take MCQ online or by using desktop app, by retrieving a MCQ (if available) from a azure SQL DB. Students test results are store in a SQL DB on azure.

Lectures can retrieve marks from an azure SQL DB and view class marks and perform basic data manipulation.

Work Experience

Clifton School

Durban, KZN (2015 - 2019)

Coach, School

- Coached boys aged from 8 – 13 (junior school) in Cricket, Rugby and Hockey
- Coached boys aged 14 – 18 (high school) in Hockey
- Team management and preparing practice sessions is highly important
- Team selection (Dropping players and bring others into a higher team) requires good communication with players and giving them clear reasoning and improvement pointers

References:

Stewart Price (Prep Sport coordinator) – 061 888 0123

Ryan Ravenscroft (Prep Vice Principal) – 084 942 4637

Education

Clifton College

- Bachelor's Degree
- Subjects: English, Math, Afrikaans, Biology, Engineering Graphics & Design (EGD) and IT

Varsity College

- Bachelor of Computer Science in Application Development

References:

Sarina Till (Course coordinator) - 071 868 2991

Ebrahim Adam (Lecturer) – 083 886 4112

Interests

Hockey – I have always enjoyed playing hockey whether it was in school or out of school. I find hockey is a great social activity and way to stay active.

Techie – I have always been drawn towards technology and find it easy to pick up new technologies. I enjoy keeping up to date on the latest tech in all industries from Tesla cars to robots at Boston Dynamics. With so many companies working on Artificial Intelligence, the future is looking interesting.

Gaming – My passion for tech and programming came from my love of gaming when I was younger. I was always fascinated by how technology progressed especially in the gaming industry as you can see progress from generation to generation.

Traveling – I have a passion for traveling abroad and experiencing the culture and history of a country.