NAME: Ean Bosman

Job Title: Intermediate Software Developer

Online Portfolio: https://ean1231.github.io/myportfolio/
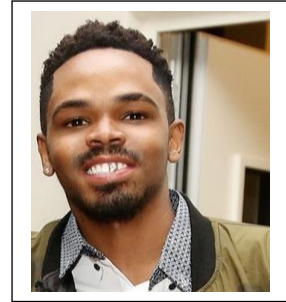
PROFILE

- Number of years' experience: 3 years
- Qualifications:
    1. Diploma in Systems Development
    2. CompTIA A+ Certification
    3. CodeTribe™ Coding Academy Ionic Course
    4. K2 Five Core
    5. K2 Developer
- Skills:
    6. Java
    7. JavaScript
    8. Angular
    9. Ionic
    10. SQL Server
    11. Flutter
    12. C#
    13. K2 Designer
    14. HTML5
    15. CSS3
    16. .Net
    17. Rest API with .NET
    18. Power BI
    19. Agile Methodology
    20. Firebase
    21. Firebase Cloud Functions

- Professional Registration: None

HIGHLIGHTS

- **Highest value/profile project undertaken:**

> Currently, I'm actively engaged in the development of a robust portfolio management system. This system is meticulously designed to cater to the needs of project managers and is driven by well-defined processes. Leveraging the K2 framework, we're crafting an efficient and intuitive platform. Our data storage infrastructure is supported by SQL Server, ensuring seamless data management and security. This project underscores our commitment to delivering top-tier solutions that meet the demands of modern project management.

- **Next highest value project undertaken**:

> I played a vital role in contributing to the development of the DigiTicket Application. This application serves as a versatile platform for users to conveniently book a diverse range of tickets online. These tickets encompass accommodations, events, and restaurant reservations. My direct involvement was focused on the front-end development aspect of the application. This endeavor exemplifies my commitment to enhancing user experiences and promoting seamless digital interactions.

- **Notable professional achievement:**

In 2020, I led a collaborative team of three in the successful development of a dynamic mobile application named "Linkit-up." This innovative application serves the primary purpose of seamlessly connecting students with suitable universities and accommodations. Additionally, it offers an invaluable feature that calculates a student's AP score. The application was meticulously constructed utilizing Angular.js for the front-end, Node.js for the back-end, and Firebase as the robust cloud storage solution. This achievement is a testament to our dedication to crafting impactful solutions that streamline essential processes for students and educational institutions alike.

EXPERIENCE

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1. Previous Title   : Intermediate Software Developer

    Firm/Entity   : Ayamah Tibaa Pty Ltd

    Duration   : Jan 2022 – Present

    Assigned Tasks   :

1. **Integrated Portfolio Management System (IPMS) Development**

In the course of the Integrated Portfolio Management System (IPMS) development, I undertook various key responsibilities:

Interactive Forms Development:

I was tasked with creating interactive forms that contribute to the system's usability and data collection processes.
Smart Objects Implementation: I played a pivotal role in incorporating smart objects, enhancing the system's capabilities and efficiency.

Mobile Application Development:

I contributed to the creation of a mobile application that works seamlessly alongside the IPMS. This mobile app extends the system's functionality and provides users with on-the-go access.

System Testing:

I engaged in comprehensive system testing to ensure that all components functioned optimally and met the desired specifications.

End-to-End Testing and Bug Resolution:

During the end-to-end testing phase, I identified and resolved bugs and errors, ensuring a smooth and error-free user experience.

Ayamah Tibaa Website Management and Enhancement:

In addition to my work on the IPMS, I also took on responsibilities involving the management and modification of the Ayamah Tibaa website. This included updates and enhancements to maintain an effective online presence.

Throughout my involvement in this project, I aimed to contribute to the development of a robust and efficient IPMS, alongside its supporting elements like the mobile application and website. My contributions encompassed the entire development lifecycle, from designing interactive forms and smart objects to ensuring a seamless end-user experience through rigorous testing and bug resolution.

2. Development of Flutter Mobile Application Complementing the IPMS System (Solo Project)

In this solo project, I undertook the development of a Flutter mobile application that seamlessly complements the existing IPMS System. The application encompasses a range of functionalities aimed at enhancing user experience and efficiency.

Key Accomplishments:

User Authentication API: I engineered an API using C# .NET to facilitate robust user authentication. This API empowers users to securely log in to the application using the email address and password registered within the IPMS system.

Intuitive Application Layout:

I conceptualized and implemented the entire application layout, meticulously designing six distinct pages. These pages include Login, User Profile, ArcGIS Maps (which offers a map view displaying projects from the IPMS system), Contact, Home, and Field Inspection.

Streamlined Inspection Data Transfer:

Leveraging C# .NET, I successfully developed a POST API that optimizes the transmission of comprehensive inspection data to the company's SQL server. The data transmitted includes vital information such as inspection element, inspection rating, images, comments, inspector's name, inspection date, local municipality, and latitude-longitude coordinates of the inspection site. Additionally, I integrated a geocoding function to convert coordinates into tangible addresses.

Dynamic Greeting Feature:

On the home page's front-end, I introduced a dynamic greeting feature that adapts based on the time of day. This personalized greeting is accompanied by a corresponding icon, enhancing the overall user interaction and engagement.

Throughout this project, I strived to create an intuitive and user-friendly application that seamlessly integrates with the IPMS System, offering users a holistic experience and simplifying their interaction with project data and inspection processes.

Note: Under Ayamah Tibaa, I was entrusted with the responsibility of developing a website for Nyara Youth Development, a prominent company. The primary purpose of this website is to showcase the range of services offered by the organization and provide a convenient platform for accepting donations in various forms, including payments, food, and clothing.

I have also developed a mobile application with a primary focus on addressing Gender-Based Violence (GBV). The core functionality of this app revolves around sending alerts to other users within a designated radius of 10 miles when someone is experiencing abuse.

2. Previous Title : Software Developer Intern

   Firm/Entity : ATTI Computer Education & Training (MICT SETA)

   Duration : Mar 2021 – Nov 2021

   Assigned Tasks :

   Mobile Application Development (KimHistory)

In the realm of mobile application development, I embarked on a significant project known as "KimHistory." The primary objective was to create an engaging and informative mobile application that offers a comprehensive depiction of Kimberley's history, coupled with supplementary information such as details about ward councillors and more.

My contributions to this endeavor extended beyond coding:

- I actively supported the administrative process by assisting with data capture, ensuring accurate and relevant information within the application.
- Additionally, I played a pivotal role in requirements gathering, diligently collating the essential criteria that informed the application's features and functionality.

The "KimHistory" project exemplifies my commitment to merging technological innovation with historical exploration, ultimately fostering a deeper understanding of the local heritage.

3. Previous Title : Software Developer

   Firm/Entity : DigiTicket SA

   Duration : Mar 2020 – Mar 2021

   Assigned Tasks :

   Mobile App development (DigiTicket)

My involvement in mobile app development is highlighted by my role in the DigiTicket project, where I made significant contributions, including:

- Spearheading the development of the front-end interface of the DigiTicket application—a dynamic mobile app designed for seamless ticket booking experiences. This involved utilizing the Ionic framework to ensure an engaging and user-friendly interface.
- Crafting the DigiTicket website, ensuring a coherent online presence that extends the app's functionality to the web. Leveraging my skills with Ionic, I maintained a consistent and responsive user experience across platforms.
- Demonstrating my proficiency in full-stack development by successfully creating a comprehensive Uber-style application, encompassing both front-end and back-end components. Firebase served as the backbone of this application, ensuring real-time communication and data management.
- Playing an integral part in the creation of the Night of Soul website, contributing to the digital representation of this noteworthy event. Firebase facilitated efficient data storage and retrieval, enhancing the website's performance.

These undertakings underscore my capability in delivering end-to-end solutions and my dedication to enhancing user experiences through innovative digital platforms.

4.	Previous Title	: Software Developer
	Firm/Entity	: mLab (Northern Cape, Kimberley)
	Duration	: Feb 2019 – Feb 2020
	Assigned Tasks	:

Web and Application Development:

My proficiency in both web and application development is demonstrated through a range of impactful contributions, including:

Educational Mobile Application Development:
I undertook the development of an educational mobile application, creating a platform that facilitates effective learning experiences.

Back-End Functionality for Educational App:
I assumed responsibility for the back-end functionality of the educational app, ensuring seamless interactions and robust data management.

Mobile Application Website:
I played a pivotal role in the creation of a dedicated website for the educational mobile application, providing users with a comprehensive and accessible online presence.

Dashboard Development:
I took charge of developing a dynamic dashboard that seamlessly integrates with the educational app, enhancing its functionality and user management capabilities.

These endeavors underscore my diverse skill set in both web and application development, ensuring that the solutions I create align with user needs and promote efficient learning and interaction.

SOME PROJECTS IVE WORKED ON

Websites:

- https://www.digiticket.co.za/
- https://www.nightofsoul.co.za/
- https://www.nyarayouthdevelopment.co.za/

Mobile Applications:

- DigiTicket – can be found on the play store.

- Pimo App (project management mobile application, developed using Flutter) can be accessed on GitHub https://github.com/Ean1231/PimoApp.

- Nyara App (Focused on GBV): can be accessed from my GitHub repository https://github.com/Ean1231/nyaraApp.

Desktop System:

- IPMS System (Infrastructure portfolio management system): can be accessed from this link: idms.pimoecdpw.co.za/Runtime/_trust/Login.aspx?ReturnUrl=%2fRuntime%2fRuntime%2fForm%2fPIMO.Worklist.Form%2f%3f

REFERENCES

Name	: Takalani Tshivhase
Job Title	: ICT Manager
Number	073 515 4500
Company	: Ayamah Tibaa
Name	: Tshepang Peme
Job Title	: Ceo
Number	087 104 9263
Company	: DigiTicket
Name	: Kabelo Gaotlhaelwe
Job Title	: Skills Facilitator
Number	079 339 5980
Company	: mLab Northern cape
Name	: Schalk Bruwer
Job Title	: Corporate Business Manager
Number	053 831 3367
Company	: ATTI Computer Education & Training