

# SHINGAI SHAMU

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Jr Software Consultant

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I specialize in integrating various system components into connected web applications, with a focus on performance and maintainability. My current interests lie in transforming the latest digital technologies into everyday apps that ordinary people can use and enjoy. Also an aspiring writer and blogger.

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## Skills

- Highly skilled in creating performant **APIs, Chatbots**
  - Passionate about **Integration** and **Automation**
  - Skilled in creating **Dashboards, Prototypes** and **Frameworks**
  - Experienced with **Front-End Development** and **Python**
  - Proficient with **CSS** and **Bash Scripting** and **Version Control Systems**
  - Knowledgeable about **User Experience, Facial Recognition, Natural Language Processing (NLP), Agile Software Development** with a **Testing first** approach, **Blockchain** and **Progressive Web Apps**.
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## Portfolio

### WTFramework

Personal Project (AI/NLP)  
Early 2019

- Stands for **Whatasapp/Telegram/Facebook (F)**ramework
- Is an intergration framework built from scratch which allows a chatbot model to be coded once and instantly deployed on all the above stated platforms.
- Has a dashboard integrated into it which uses data science libraries and Js to create and analysis of messages
- Also has real-time viewing of messages as they come in using websockets
- Features Requests + Data monitoring and also error tracking software built in to manage any issues that may arise
- Took roughly a week to develop, but i still have lots of ideas to turn this into a full fledged SaaS application

### Zimra Online Payments Portal (ZOP)

Chartered Systems Integration(CSI)  
Nov 2018 - Mar 2019

- Banking system project for First Capital Bank
- was responsible for the creation and integration APIs to facilitate tax payments via Zimra
- Also optimized loading and access times to ensure system stability with large amounts of traffic

### StockWarz

Personal Project (Data Science)  
April 2019

- Small weekend project which was created and completed in about 48 hours
- Is a simple stock trading and management simulation of the Zimbabwe stock exchange with a leaderboard
- Created the crawler that fetches data along with the trading and UI
- Designed to be extremely lightweight on phones to play along with my friends

## **Fourfaces Dashboard**

Chartered Systems Integration (CSI)

Jun 2018

- Designed client dashboard for users to create and manage trips
- Created Admin template to track users and bookings
- Assisted the development team with HTML and CSS updates
- The above is the dev site used to present to the client

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## **Education**

### **Software Engineering**

Zimbabwe Open University (ZOU)

2019 - Now

A part-time degree programme that deals with creating the latest techniques and technologies in requirements analysis, design, construction, testing, implementation, and evolution of software systems. Also includes designing system architectures and scaling enterprise applications

### **BSc, Computer Science**

University of Zimbabwe (UZ)

2015 - 2018

A full-time degree programme that provided the theoretical and mathematical as well as the design and structure of computer systems including web development(backend and frontend development), algorithms, computer graphics (OpenGL), networking, computer security and various programming languages

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**S. Shamu**

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