

KUDZAI P MATIZIROFA

SOFTWARE ENGINEER

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TECHNICAL SKILLS

Languages: Java | Python | JavaScript | TypeScript | SQL | HTML | CSS.
Machine Learning: TensorFlow | Keras | Scikit-Learn | Seaborn | Pandas | Matplotlib.
Web Development: Spring boot | Flask | Bootstrap | Angular | MySQL | MongoDB.
Development Tools: IntelliJ IDEA | VS Code | Anaconda | Postman | Docker | Git | GitHub.

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER INTERN – REPLICA SYSTEMS, Harare, ZW

01/2022 – 06/2022

Built a site management system for a Zimbabwean construction company.

- Led design and development of data models, data query in **spring JPA** including the relational design and development of the database tables in **MySQL**.
- Assisted in developing and securing of the system Restful endpoints using **spring security** and **JWT**.
- Used **git** for version control with GitHub as the code base repository.

Developed and deployed the official *Replica Systems* website

- Designed and built the site using **Html**, **CSS**, **JavaScript** and **Bootstrap**.
- Deployed the website via cloud hosting services, domain registration and search engine optimization.

EDUCATION

- Bachelor of Science Honours Artificial Intelligence and Machine Learning, University of Zimbabwe, 2022- Ongoing
- Certificate & Diploma in Information Technology Software Engineering, University of Zimbabwe, 2022
- Level 4 & 5 Diploma in Professional Computer Engineering, ABMA Education UK, 2019
- Certificate in Front-end Web and IOS mobile Development, Muzinda Hub, 2018

SELECTED PROJECTS

Coin Compass, [github/kudzaiprichard/coin-compass](https://github.com/kudzaiprichard/coin-compass)

- Designed and built a **microservices** restful API for assisting users interested in trading crypto currency by predicting the prices through a **machine learning** model built with Python, Scikit-Learn and Flask.
- Integrated the system with Bianca Websocket using Java spring boot, spring cloud and created required micro services and used both MySQL and mongo DB for managing data.
- Used git and GitHub for version control, **Docker** for containing and managing each service.

U-Bot, [github/kudzaiprichard/mt4-ubot](https://github.com/kudzaiprichard/mt4-ubot)

- Designed and built a fully **automated** trading robot for analyzing the market and strategically opening, scaling and managing trading positions on the market.
- Used layered and modular architecture design with **MQL4** programming language for a platform named Meta trader 4 used by many different traders and well-known brokers like Xness and Deriv.
- Version controlled the entire project via **git** and **github**.

TRAINING AND PROFESSIONAL DEVELOPMENT

- Data Science Virtual Internship Program, British Airways, 2023
- Artificial Intelligence Virtual Internship program, Cognizant, 2023

Reference available on request