Vincent Kipngetich Kirui

Cell: +254799476072; Email kiruivinie1@gmail.com   Personal Portfolio

PROFESSIONAL PROFILE

As a versatile professional with expertise in software engineering, data analysis, machine learning, and quality assurance, I am passionate about designing, documenting, and building scalable API platforms and applications. With a proven track record in leading the creation and implementation of test plans and methodologies, I am proficient in testing new features manually and writing automation tests using tools such as Jest, Selenium, Mocha-Chai, and Cypress. I am constantly exploring the latest technologies and have a keen interest in research and development. With strong interpersonal skills, effective communication, and high adaptability, I am a valuable asset to any team.

EDUCATION

2022: Applied Data Science , WorldQuant University - Badge

2021: Bachelor of Science (Financial Engineering), Jomo Kenyatta University of Agriculture and Technology -2nd Upper division
Final year project: Predicting Loan Default with Random Forest Model

KEY SKILLS AND Technologies

- Python, Django, JavaScript/Typescript, React, USSD
- PostgreSQL, SQL, Docker, AWS, Firebase, basic deployment
- Software testing (Jest, selenium, Mocha-Chai, Cypress), Jira and Test Rail test management tools
- Machine learning (built and trained a random forest model to predict loan defaults in my final year project for Financial Engineering)
- CRUD Applications/REST, Agile/Scrum (Certified Scrum Master with experience leading Agile teams)
- Statistical Modeling, Analytical Skills, Research & Development, Data Management

PROFESSIONAL WORK EXPERIENCE

Asilimia Ltd -   **02/2022 – present**
- **Lead Quality Assurance Engineer** for the Leja Application and Payment management system projects
- Responsible for automated tests for backend and web portal, test plans and methodologies
- Collaborates with developers to address quality and security issues
- Part-time data analyst

LearnHall - Python/Django Engineer   **02/2023 –   05/2023**
- Developed World of Shows website for auditioning, finding auditions, and sharing play reads.

Teknerve Systems – Data Analyst intern   **01/2021 - 04/2021**
- Completed random analysis projects given by supervisor for analysis.

PERSONAL PROJECTS AND INTERESTS

- **Predicting Loan Default (Machine Learning):** Explored data cleaning and transformation, and machine learning modeling to predict default probability. Developed credit rating system.

- **Leave management system (web app):** Developed a web-based employee management system with features like a login page, register page, and leave application page for employees. CEO, manager, and supervisor could accept or reject leave applications. Employees could view and track their leave applications through the My Application page.

- **Real Estate Management System (Web Application):** Developed a full-stack Django web application for viewing and registering for real estate. Includes a clean, descriptive, and interactive user interface for home, about us, and featured listings.

- **Personal portfolio website** – build with react and css.

- GitHub

- Open Source

REFEREES

1.   George Njuguna
Chief Technical Officer E n e z a T e l e c o m

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2. Patsheba Gikunda
Tech Lead, Asilimia.

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