

# Rachael Njeri Kiai

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## Experience

### Software developer Intern at iLabAfrica (February 2022 - May 2022)

- Worked on the front-end using HTML, CSS and JavaScript with Vue.js, the back-end using PHP and Laravel as the overall framework, for a government revenue management system.
- Developed 6 report pages which allow users to generate various reports based on their searches and download PDF and CSV files of the reports.
- Designed 8 blade files for generating PDF documents for different reports in the system.
- Debugged errors in the code.
- Performed SQL querying and data mapping tasks on the database to ensure that it was up to date

### Volunteer Community Service at Twin Birds Academy (January 2020 - March 2020)

- Took part in daily activities at the school as a substitute teacher which included teaching 80 children and assisting them in understanding the educational content.

## Skills

**Programming languages:** Java, Python, HTML, PHP, CSS, JavaScript, JSON, SQL, MySQL. **Tools:** GitHub, VS Code, Android Studio, Firebase, AWS, Bootstrap, Xampp.

**Frameworks:** Flutter, Vue.js, Laravel, Django.

## Education

June 2018 - 2022 | Nairobi, Kenya

### Bachelors of Informatics and Computer science, Strathmore University

Feb 2017- July 2017 | Nairobi, Kenya

### Zalego Academy, coding boot camp

Web Development, Bootstrap, Android Mobile Application development and Java programming.

## Certificates

- |  |   |
|--|---|
| 1. AWS Academy Graduate - AWS Academy Cloud Foundations - 2022 | <i>Microsoft Africa Development Center</i>            |
| <i>Amazon Web Services Training and Certification.</i>         | 3. Introduction to Data Analytics for Business - 2020 |
| 2. Microsoft ADC Game of Learners - 2021                       | <i>University of Colorado- Coursera</i>               |

## Achievements

Kamilimu mentorship programme - Cohort 6 graduate

## **Personal Projects :**

### **BetterHealth - 2022** | *Django, Python, Machine Learning*

- Developed a web application for my fourth year final project, using Django, Python and a Random Forest ML model, to analyze records and predict on whether a child is heading towards malnutrition.

### **Microsoft ADC Game of Learners - 2021** | *Flutter, Java, Android*

- Worked on the backend and frontend of a web application called Crowducate. The app could allow users to donate or exchange learning materials and donate funds for improving schools and the lives of children.

### **Oracle Academy APEX Hackathon - 2021** | *Oracle Apex*

- Participated in the Oracle Apex Hackathon. Worked on the frontend of the application which helps users find temporary jobs to earn money.

### **Task App - 2020** | *Java, Android, Firebase, REST API*

- Built an Android application which enables users to get assistance by hiring people to do tasks or earn money through completing tasks.
- Used Android studio with a REST API built in VS Code and a cloud hosted database on Firebase.

### **Aspera Tours and Travel Web App - 2020** | *Laravel, JavaScript, PHP, HTML, SQL*

- Redesigned the Aspera tours and travel website design. Worked on the front end of the login/ signup pages and user dashboard. Improved the user interface by making it more appealing and easy to use.

### **Charity Connect Website - 2019** | *Laravel framework, PHP, HTML, JavaScript, SQL*

- Developed a website which allows charity groups and organizations to get donations, create awareness for their cause and connect with users. Implemented Mpesa payment, for easy payments on users' phones.

### **Shopping Website - 2019** | *CodeIgniter framework, PHP, JavaScript, HTML, SQL, Bootstrap*

- Developed an e-commerce website which implements client shopping functions, inventory tracking, orders and transactions management.

### **Restaurant Website - 2018** | *CodeIgniter framework, PHP, HTML, JavaScript, SQL*

- Built a website that assists with restaurant management. The website implements user authentication and helps the restaurant to keep track of food