

Jeffrey Owen

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PROFESSIONAL SUMMARY

Talented software developer with expertise in designing and developing web applications, mobile applications, APIs and databases. Proficient in various programming languages and frameworks. Quick learner who picks up new technologies rapidly. Capable of efficiently self-managing in independent projects and equally collaborating with teams

EDUCATION

Kabarak University

Bachelor of Science, Information Technology

Sept 2022 - Present (3rd Year)

- **Coursework:** Data Structures and algorithms, Web development, Structured programming, Database management systems

WORK EXPERIENCE

Lukhu

May 2024 – June 2024

Mobile Developer

Remote

- Designed and developed highly responsive and visually appealing mobile applications using Flutter and Dart.
- Implemented complex UI designs to enhance user engagement and experience.
- Collaborated with cross-functional teams including designers and product managers to deliver high-quality applications.
- Conducted thorough testing and debugging of applications to ensure stability and reliability before deployment.
- Implemented Firebase services such as Firestore, Authentication, and Cloud Messaging to enhance app functionality.
- Developed reusable components and widgets to streamline development and ensure consistency across applications.
- Created custom plugins and packages to extend Flutter's functionality and meet specific project requirements.

Robodine

January 2023 – January 2024

Backend Developer

Remote

- Developing RESTful APIs using Flask, FastAPI and python for better performance in server response and user satisfaction.
- Collaborating with frontend developers to integrate frontend with server-side logic.
- Conducting rigorous server load testing to assess systems ability to handle anticipated user demands.
- Developing testing environments using pytest and writing unit tests increasing test coverage.
- Trouble shooting and debugging applications.
- Using versioning tools like git and github to maintain current and historical versions of files.
- Continuously studying and improving abilities in a wide range of web technologies and programming practices.

Freelancer

April 2020 – December 2022

Web Developer

Remote

- Designed and developed websites convenient for various customers
- Wrote well designed, testable, efficient code utilizing object oriented programming principles using best software development practices.
- Seamlessly integrated frontend with backend using different languages and programming frameworks
- Implemented website layouts and user interfaces in adherence to industry-standard practices, ensuring optimal user experiences.

- Developing RESTful APIs using Flask, Django Rest Framework and python for better performance in server response and user satisfaction.
- Performed tests using pytest and postman

VOLUNTEER EXPERIENCE

University of Nairobi SDA Church

November 2023 – January 2024

Receipt Sending Automation for Treasury Department

Remote

- Developing a system to import excel data, automate making receipts from the data and sending the receipts to the respective owners.
- Using python to create backend logic in order to create a scalable web application
- Integrating third party libraries to enhance functionality.
- Designed RESTful APIs using Django Rest Framework to enable seamless communication between frontend and backend.

Kabarak University

October 2022 – Present

Google Developer Student Club Member

Nakuru

- Interacting with people with diverse backgrounds and skills therefore building relationships and enhancing teamwork.
- Developed good communication skills used to pass information

Booker Academy

September 2020 – October 2021

School President

Mumias

- Developed trust and sense of transparency among the students and members of staff hence building a strong community.
- Drove continuous improvement through decision-making to develop equitable opportunities for all students.
- Created a good environment for one to possess unquenchable thirst for knowledge.

SKILLS

Back-end Web Development: Django, Flask

API Development: FastAPI, Django Rest Framework

Mobile Development: Flutter, Dart

Programming Languages: Python, Kotlin, JavaScript, C++, HTML, CSS, Java

Databases: Postgresql, SQLite, SQL, Firebase

Tools and Skills: Git Version Control, Linux, Web Security, Data Structures and Algorithms, RESTful APIs, API Documentation, Automated testing and unit tests, Troubleshooting and Debugging, Team collaboration and communication.

PROJECTS

Rental management System | Flask, Python, Django, Django Rest Framework, FastAPI, JavaScript, Postgresql

October 2023 – Present

- A system to ease rent payment between the tenant and the landlord.
- Designed RESTful APIs using Flask and Django Rest Framework to enable seamless communication between frontend and backend.
- Integrating third party libraries to enhance functionality.
- Employing git for version control and ensure smooth development workflow.

Meal Suggestor web application | Flask, Python, Django, Django Rest Framework, FastAPI, JavaScript, Postgresql

June 2023 – Present

- Developing a system that is able to generate different balanced diets with the ingredients and procedures suggested to the user for a healthy living.
- Designing and optimizing relational databases using Postgresql.
- Developing backend logic using python to create a scalable web application.

Clerical System | Flask, Python, Django, Django Rest Framework, Postgresql

May 2023 – November 2023

- Developed a system that allows a church clerk to create church events for people to register and attend.
- Employed authentication and permissions functionality for users using AUTHJwt.

- Developed backend logic using python to create a scalable web application.
- Designed RESTful APIs using Flask and Django Rest Framework to enable seamless communication between frontend and backend.

Driving School web application | HTML,CSS, Reactjs, Javascript, django November 2022 – December 2022

- Developed a project that is based on the model town board that drivers can use to learn different road rules
- Used Javascript to develop the car movement functionality across the model town board

Ecommerce | Flask, Python, Django, Postgresql, JavaScript, Django Rest Framework, FastAPI July 2022 – August 2023

- Developed a web application that allows users to make purchases on items online.
- Developed backend logic using python to create a scalable web application.
- Designed RESTful APIs using Flask and Django Rest Framework to enable seamless communication between frontend and backend.
- Integrated third party libraries to enhance functionality.

Hospital Management System | Flask, Python, Django, Django Rest Framework, Postgresql August 2022 – September 2022

- Developed a system that allows doctors keep patients records in a hospital for future reference.
- Employed git for version control and ensure smooth development workflow.
- Designed RESTful APIs to enable seamless communication between frontend and backend systems.
- Designed and optimized relational databases using Postgresql .
- Integrated third party libraries to enhance functionality.

Mobile Repair web application | Flask, Python, Django, SQLite, Javascript October 2022 – November 2022

- Developed a project that allows users contact a mobile repairer for consultations about their devices for repair.
- Users can also purchase available new devices from the web application.
- Employed git for version control and ensure smooth development workflow.
- Designed RESTful APIs to enable seamless communication between frontend and backend systems.

CERTIFICATIONS

Be a whitehat hacker and pentester July 2020

Eduonix

Ultimate Hacking Course November 2020

Udemy

JavaScript Developer December 2020

Sololearn

Python Developer May 2021

Sololearn

Java Developer December 2022

Sololearn

PUBLICATIONS

Connecting FastAPI to postgres database medium.com

December 2022 <https://ow3nso.medium.com/connecting-fastapi-to-postgres-database-122487a0e87b>

- Shows how one can connect his backend to a postgres database

Performing CRUD operations FastAPI medium.com

December 2022 <https://ow3nso.medium.com/performing-crud-operations-using-fastapi-f70440452fec>

- Used to show how to perform database operations like create, read, update and delete.