

Patrick Cheruiyot

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Software Engineer/Software Developer

I am a passionate and results-driven Software Engineer with a Bachelor's degree in Computer Science and hands-on training in software development from Moringa School. I specialize in building scalable web applications and optimizing business processes through full-stack development (React, Flask), database management (SQLAlchemy, MongoDB), and automation (web scraping, Docker). I thrive in collaborative environments and am eager to contribute to innovative projects at your company, leveraging my technical expertise to solve real-world challenges while growing my skills in a dynamic and fast-paced environment.

EXPERIENCE

The Micropoint Systems LTD • Nairobi, Kenya • 06/2022 — 09/2022

Software Developer Intern

Designed and developed a **COVID-19 tracking application** using **C#**, enabling users to access real-time statistics on cases, recoveries, and fatalities.

- Integrated **APIs** for real-time data updates and implemented a clean, user-friendly interface for seamless user interaction.
- Strengthened skills in **API integration**, **data-driven application development**, and **problem-solving** in a real-world context.
- Collaborated with team members to ensure timely delivery and adherence to project requirements.
- Gained hands-on experience in the **software development lifecycle** and **agile methodologies**.

EDUCATION

Course in Software Development

Moringa School • Nairobi • 08/2024 — Present

- Gaining hands-on experience in **full-stack development** using **React** (Frontend) and **Flask** (Backend).

Bachelor in Computer Science

Karatina University • Nyeri, Kenya • 01/2019 — 12/2023

- Completed coursework in **software engineering**, **data structures**, **algorithms**, and **database systems**.

SKILLS

Programming Languages : Python, JavaScript, C#, SQL

Testing Tools: Mocha, Jest, PyTest, React Testing Library

Frameworks & Libraries: React, Flask, SQLAlchemy

Database Management: MongoDB, SQL, PostgreSQL, SQLite

Tools & Platforms: Docker, GitHub, Visual Studio, Render, Git, Github Actions

Web Technologies: HTML, CSS, Tailwind CSS

Other Skills: API Integration, Web Scraping, Responsive UI Design, Agile Methodologies

CERTIFICATIONS

Docker Certification • 09/2023

KodeKloud

Python Certification • 09/2023

KodeKloud

PROJECTS

Blog Application • [Link](#)

- Built a full-stack blog app using **React (Frontend)** and **Flask with SQLAlchemy (Backend)** for user-generated content.
- Added **JWT authentication** for secure login/registration and **CRUD operations** for posts/comments.
- Designed a responsive UI with **React Router** and **dark/light mode toggle**. Used **Formik** for form validation and **Flask RESTful** for optimized API performance.
- **Technologies:** React, Flask, SQLAlchemy, JWT, Formik, REST API, CSS
- **Key achievements:** Developed a full-stack blog platform with React and Flask, featuring JWT authentication, CRUD operations, responsive UI, and scalable RESTful APIs.

Fashion Store Website • [Link](#)

- Developed a responsive e-commerce platform enabling users to browse, search, and filter products by season, gender, or name.
- Implemented features like **favorites**, **comments**, and a **swiper carousel** for enhanced user interaction.
- Utilized **HTML**, **CSS**, **JavaScript**, and **JSON** for dynamic product display, core functionality, and **Render** for deployment.
- **Key Achievement:** Delivered an intuitive and engaging user experience, driving seamless product exploration.

Recipe Application • [Link](#)

- Built a **React-based** web app fetching recipes from an API, allowing users to search, save, and filter recipes.
- Enabled local data persistence using **JSON Server** for saving favorite recipes.
- Designed a responsive UI with **HTML**, **CSS**, **React components** and deployed using **Render**.
- **Key Achievement:** Demonstrated proficiency in **API integration** and **state management** using React.
- **Technologies Used:** React, JavaScript, HTML, CSS, JSON Server, TheMealDB API, Render

Notes and Event application • [Link](#)

- I am currently developing a **Full-Stack Notes & Events App** using **React (frontend)** and **Flask SQLAlchemy (backend)** for seamless note-taking and event scheduling.