

Mpairwe Lauben

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GitHub: <https://github.com/mpairweLandwind>

Portfolio: <https://mpairwelandwind.github.io/github-portfolio>

Objective

Passionate and skilled software developer with hands-on experience in application development, problem-solving, and collaborative teamwork. Committed to contributing innovative, scalable, and secure software solutions while leveraging technical expertise to drive impactful results in dynamic environments.

Technical Skills

Programming Languages: Python, Java, Kotlin, Flutter, React-Native

Databases: SQL, PostgreSQL, MySQL, Firebase, MongoDB

Technologies: API Integration, Cloud Services, Mobile App Development

Tools: Git, VS Code, Android Studio, Docker

Problem-Solving: Efficient debugging, optimizing code, and improving system performance

Education

Bachelor of Science in Software Engineering

Makerere University | CGPA: 4.63

2022 - Present

Expected Graduation: January 2027

Bachelor of Science in Computer Engineering

Makerere University | CGPA: 4.43

2019 - 2022

National Diploma in Information Communication Technology

Uganda Technical College-Lira | CGPA: 4.77

2016 - 2018

High School Certificate

Boston High School, Mpala

2010 - 2015

Professional Experience

Software Developer | Freelance

May 2018 - Present

- Designed and implemented scalable software solutions using Java and Python.
- Developed and maintained APIs to ensure seamless system integration and performance.
- Collaborated with cross-functional teams to meet client-specific requirements and deadlines.

Application Developer Intern

Web Info-Net limited , Kampala, Uganda [Jun-Aug 2022]

- Designed and developed web and mobile applications ensuring user-centric design and robust performance.
- Debugged and resolved complex programming issues in a fast-paced environment.
- Integrated RESTful APIs and optimized SQL database queries for scalability.
- Collaborated with cross-functional teams to gather requirements and enhance existing systems.

Student Software Engineer

Makerere University, Kampala, Uganda [2019 - Present]

- Built scalable, secure applications as part of academic and extracurricular projects.
- Developed a mobile app using Kotlin for task management.
- Configured and deployed cloud-based solutions for improved system availability.
- Successfully led a team to create a database-driven application for Real Estate Web application using node.js.

Portfolio Projects

Django Inventory Management System

- Designed and developed a web-based inventory management system using Django for tracking and automating stock management processes.

- Built user-friendly interfaces for managing inventory, integrated MySQL for efficient data storage, and implemented RESTFUL APIs for seamless integration with other systems.
- Ensured security by implementing role-based access control and data encryption.

Real Estate Management Platform (Spring Boot)

- Engineered a comprehensive real estate management system using Spring Boot, allowing property owners to list properties and customers to manage their bookings.
- Integrated robust backend logic with a PostgreSQL database to ensure data consistency and integrity.
- Developed secure authentication and authorization mechanisms using JWT.

Real Estate Web Application (MERN Stack)

- Developed a scalable real estate web platform using MongoDB, Express.js, React.js, and Node.js to handle property listings and client interactions.
- Implemented a powerful search and filter functionality to enhance user experience.
- Integrated firebase for secondary data storage, ensuring optimal performance for complex queries.

ZaloniDentalHub Mobile Ordering App (Flutter)

- Built a cross-platform mobile app using Flutter for managing orders and automating inventory tracking.
- Streamlined real-time order updates using Firebase as a backend.
- Enhanced user experience with intuitive UI/UX design, ensuring compatibility with both Android and iOS.

DelipuCash (React Native App)

- Developed a fintech mobile application using React Native for digital payments, user rewards, and transaction history tracking. Ensured secure payment processing by integrating third-party APIs for encryption and verification.
- Implemented scalable architecture to support rapid user growth and high transaction volumes.

Achievements

Consistently delivered projects within deadlines and exceeded performance benchmarks.

Soft Skills

- Strong analytical and problem-solving abilities
- Excellent teamwork and communication skills
- Eagerness to learn and adapt to new technologies

References

Available upon request.