

# LOUIS SEVERIN IYODUSENGA

## SOFTWARE DEVELOPER



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## PROFESSIONAL OVERVIEW

Passionate and dedicated software developer with expertise in web application development skills. Eager to learn, grow, and take on new challenges, I thrive in environments that push my problem-solving skills and technical abilities. I am always seeking opportunities to expand my knowledge, improve my craft, and contribute meaningful solutions. My goal is to continuously evolve as a developer while building impactful applications that make a difference.

## EXPERIENCE

### Junior Developer Intern

MTN RWANDA, Kigali Rwanda | May 2019 – March 2020

I helped in the implementation of a microservice that enables users to buy phones and pay in installments, with the flexibility to adjust their payment plans. The backend is built using **Node.js** and **MongoDB**.

#### Approach

1. **Define the User Model** – Create a Mongoose schema to store user details, phone purchase information, installment plan, payment history, and status.
2. **Develop API Endpoints** – Implement RESTful routes for user registration, making payments, adjusting payment plans, and fetching payment history.
3. **Set Up Express Server** – Connect to MongoDB and initialize Express to handle API requests.
4. **Testing** – Use Postman to verify API functionality.

### Full-Stack Developer (Remote)

Flower Child, Kigali Rwanda | May 2021 – June 2023

Worked with a team to develop a web application that allows users to browse and purchase plants online. The application will implement full CRUD (Create, Read, Update, Delete) operations for managing user accounts and orders. Payments were made up on delivery.

#### Approach

1. **Authentication** – I worked on this task using bcrypt.js to encrypt the password, and JWT is used for secure user authentication across sessions.
2. **Frontend Set Up** – I handled Routing with React Router DOM to manage different views, and Axios was used for making HTTP requests to the backend.
3. **Develop API Endpoints** - Implemented RESTful routes to manage user registration, login, order placement and product management.
4. **Maintenance and Support** - Provide support for users experiencing issues with account management, order placement, or payments.

## EDUCATION

### Associate's degree

Centennial College, Scarborough Ontario.

Software Engineer  
2021 – 2023

## TECHNOLOGIES

### Skills

NodeJS, ExpressJS, TypeScript, ReactJs, NextJs, SpringBot, Java Python, MongoDB, C#, Html/CSS, PostgreSQL.

### Apps

Postman, VS Code, Visual Studio/.net, GitHub, Vercel, Heroku, Netlify, AWS.

## ACHIEVEMENTS

### Backend Developer Certificate

Nodejs:

<https://www.udemy.com/certificate/UC-96a0d4c1-7895-45bb-bab4-a4edad68f4db/>

JavaScript:

<https://www.udemy.com/certificate/UC-0d75f0f1-282b-4508-92c2-ddb846967300/>

### Front-end Developer Certificate

Reactjs, Nextjs:

<https://www.udemy.com/certificate/UC-d68e62d7-7ff2-4b3d-ae54-481a27ab0cbc/>

## Full-Stack Developer (Remote)

QT Global Software, Kigali Rwanda | Jan 2024 – Dec 2024

I assisted on Qt Connect mobile application which allows users to chat with each other in real-time.

### Approach

1. **Backend Bugs (Java Spring Boot)** - Looked at Spring Boot logs to see if there are any error messages, stack traces, or warnings when a specific request is made.
2. **API Endpoint Testing** - Used Postman to check if the backend API is returning the correct responses and if it is performing as expected
3. **Chat Message Handling** – worked on WebSocket configuration class to register the WebSocket endpoint. Using spring-messaging, and spring-boot-starter-WebSocket dependencies
4. **Frontend Bugs (React Native)** - Used React Native Debugger to inspect components, states, and network requests

## PROJECTS

### The Wild Oasis App

Full-Stack Developer | August 2024 – September 2024

- A boutique hotel app with a dark mode feature for 8 luxurious wooden cabins, it manages: bookings, cabins and guests
- It allows the employees to sign in with authentication, it also provides the dashboard to display important information.
- Username: newuser@example.com, password: newuser123
- Skills Used: React.js, Vite, Styled components, React Query, React Router, Redux, React Hook Form, Supabase.
- Link: <https://the-wild-oasis-seven-jet.vercel.app/>

### The Wild Oasis Client Side

Full-Stack Developer | November 2024 – December 2024

- A fully functional web app for users to view the available cabins in the hotel (The wild Oasis) and make a reservation.
- It has features like cabins listing, authentication with google accounts and profile edit. Payments are made on the check-in days
- Skills Used: React.js, Next.js, Styled components, React Query, React Router, Redux, Supabase.
- Link: <https://the-wild-oasis-website-tan.vercel.app/>

### Natours App

Full-Stack Developer | April 2024 – May 2024

- Created an API for managing tours, user accounts, and reviews for a tourism application.
- Implemented JWT-based authentication and advanced features like email, payments File uploads.
- Implemented a server-side rendering with pug templates
- Skills Used: Node.js, Express.js, API Development, JWT Authentication, Postman, MongoDB and Mongoose, Heroku for deployment
- Link: <https://apptours-louis-dd6a60b8675c.herokuapp.com/>

## PORTFOLIO

Link: <https://louisportfolio.vercel.app/>

## REFERENCES

### QT Global Software (Team leader Senior Developer)

Irankunda Fabrice

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### Flower Child (Owner and Senior Developer)

Casey Slaught

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