

Assadaldin Osman *Full stack developer*

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🐙 github.com/AssadAldin

🔗 <https://portfolio-coral-five-85.vercel.app/>

Profile

A web programmer with a practical understanding of computers, programming languages, and related technologies, enabling the effective resolution of complex problems. With 6 years of experience—5 of which are dedicated to programming—valuable insights have been gained, fostering continuous growth and increasing contributions year after year. While the journey hasn't always been perfect, the focus has consistently been on adding value. Strong skills in Excel and PowerPoint further enhance the ability to analyze data, present ideas effectively, and support decision-making. There is a firm belief that everyone has a place where they can truly make a difference, and dedication remains focused on finding and contributing meaningfully to that place.

Professional Experience

10/2023 – present
Abu Dhabi,
United Arab Emirates

Software Developer

Travent

- Collaborated with a company to develop an AI-powered chatbot, focusing on creating APIs to supply the bot with essential information, such as availability for specific dates and basic details about chalets on the platform. Implemented a feature to generate a direct booking link based on customer requests, enabling customers to complete their booking by simply making a payment through the provided link.
- **Payment System Optimization:** Designed and implemented a Stripe Payment Intents solution to:
 - Capture authorization holds instead of immediate charges at checkout
 - Reduce Stripe processing fees by 40% for cancelled bookings
 - Implemented automated refund workflows for cancellations
 - Decreased payment failures by 30% through intelligent payment method routing

08/2022 – 04/2023
Khartoum, Sudan

Computer Technical Assistant

Ministry of Energy and Petroleum

- Collaborated with a team to establish an archiving system for managing letters within the ministry's archiving department. Designed to improve access to physical documents and enhance control over information storage, the project was unfortunately halted due to the outbreak of the war in Sudan.
- Provided technical support to employees and oversaw the maintenance of network-connected devices. Responsibilities included monitoring device performance, assisting employees with technical issues, and performing minor repairs. For more complex issues, coordinated with the maintenance department to ensure timely resolution.

05/2019 – 04/2022
Khartoum, Sudan

Backend developer

Basil Media

- Designed and developed a comprehensive hotel management system using PHP Laravel, replacing an outdated and non-functional system. The new system includes 4 main modules: Reception, Restaurant, Laundry, and Accounts, with all operations integrated into the Accounts module. Since implementation, the hotel has reduced expenses by 25%.

- Led back-end development for the company website redesign, using Laravel to build a more functional and visually appealing platform. The previous site lacked essential sections and had an uninviting design. Since launching the new site, visitor traffic has increased by 30%.

Education

09/2012 – 02/2017 **Bachelor of Science in Information Technology**
Khartoum, Sudan *SHARG EL NIEL COLLAGE*

Skills

JavaScript	● ● ● ● ●	ReactJS	● ● ● ● ●
Laravel	● ● ● ● ●	Tailwind CSS	● ● ● ● ●
SQL	● ● ● ● ●	Git/GitHub	● ● ● ● ●
Problem solving	● ● ● ● ●	API	● ● ● ● ●
NextJs	● ● ● ● ●	shadcn/ui	● ● ● ● ●

Certificates

- Next.js 15 & React - The Complete Guide [↗](#)
- Linux RedHat Certified System Administrator (RHCS) [↗](#)
- Linux Mastery For The Absolute Beginners [↗](#)

Projects

EduPlatform – Full-Stack Learning Platform [↗](#)

Tech Stack: Laravel (Backend), React.js, Tailwind CSS, shadcn/ui

- Designed and developed a full-stack web platform aimed at helping users improve their English through structured lessons, audio playback, and teacher-student interaction.
- Built responsive, user-friendly interfaces using **React.js**, **Tailwind CSS**, and **shadcn/ui**, group-based access, and role-based dashboards.
- Created and consumed secure APIs using **Laravel**, implementing authentication, email verification, lesson media protection, and user management.
- Engineered audio player with download protection, custom UI controls, and playback restrictions for lesson content.
- Implemented scalable user roles (admin, student) and verification logic for secure access to learning materials.

OEC [↗](#)

OEC Educational Website

OEC is an educational website designed to provide a rich learning experience, featuring a variety of functionalities:

- **Video and Audio Lessons:** OEC offers a diverse selection of educational content, including video and audio lessons, allowing users to easily access and learn from multimedia resources.
- **Group Division:** The website is organized into distinct groups, facilitating the discovery of content tailored to specific interests and needs.
- **Student and Teacher Profiles:** OEC enables users to create profiles as students or teachers, promoting interaction and collaboration between learners and educators.

Built using Laravel as an initial project, OEC recently introduced a mobile app, currently in the testing phase for both Android and iOS platforms.

Travent [↗](#)

Top Farmhouses in UAE

Travent aims to redefine vacation experiences in the UAE by connecting guests with unique stays, providing a seamless booking platform for both guests and hosts.