# Assadaldin Osman

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## PROFESSIONAL SUMMARY

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, including 5 years dedicated to programming, valuable insights have been gained, fostering continuous growth and increased contributions each year. While perfection has not always been achieved along the journey, the goal has consistently been to add value. There is a belief that everyone has a place where they can truly make a difference, and dedication remains focused on finding and contributing to that place.

**Languages:** Arabic – English.  **Nationality:** Sudanese.

## EDUCATION
**Bachelor of Science in Information Technology**                                       **February 2017**
SHARG EL NIEL COLLAGE, Sudan, Khartoum
- BSc (**HONORS**) DEGREE IN INFORMATION TECHNOLOGY.

## EXPERIENCE

**Software Developer**                                                   **October 2023 - Now**
**Travent, United Arab Emirates, Abu Dhabi**

- 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.
- 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.
- Resolved an issue with the iCalendar (ICAL) feature on the platform, which synchronizes availability across booking sites. The problem caused events to display on incorrect dates, leading to booking conflicts. Addressed this issue on the back end to ensure all events now appear at the correct times on the calendar, effectively eliminating scheduling errors.
- Redesigned several key elements of the site, including the navbar and purchase card, enhancing the user interface. Introduced a dual-pricing feature for chalet bookings, enabling separate rates for day-only bookings and overnight stays. Originally limited to a single pricing option, the platform now offers customers greater booking flexibility. Assessed requirements, implemented the second price, and ensured accurate display across various reports.
- Proposed and led a redesign of the client-facing website interfaces, advocating a transition from a multi-page to a single-page application (SPA) to enhance user experience. After proposal approval, collaborated closely with the UI/UX designer to translate Figma layouts into a dynamic site using React.js and Tailwind CSS. Prepared the necessary back-end APIs, and the project is currently in the testing phase, with initial feedback on the new interface being highly positive.

**Computer Technical Assistant**                                     **August 2022 - 2023**
**Ministry of Energy and Petroleum, Sudan, Khartoum**
- 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.

**Backend developer**                                               **May 2019 - 2022**
**Basil Media, Sudan, Khartoum**

- 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%.
- Provided technical support for company-developed systems, primarily addressing issues related to data entry. Investigated specific data entry methods that led to issues, identified root causes, and collaborated with the development team to implement effective solutions, ensuring efficient resolution.
- 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%.

**SKILLS**
HTML | CSS | JavaScript | PHP | Laravel | Python | Django | Tailwind CSS | Bootstrap CSS | React JS | SQL | API | Git and GitHub | MYSQL | MariaDB | swagger API | Docker Basic | CI/CD pipelines Basic.

**CERTIFICATIONS**
- **2017** - Interpersonal skills (IDAAT CENTER)
- **2020** - Coding Bootcamp Training program in PYTHON FLASK AND JAVASCRIPT (INFOPEDIA ITECH)
- **2022** - Fundamental of Health Safety and Environment (PETROLEUM TRAINING CENTER)
- **2022** - The Skill of Dealing with Superiors and Colleagues (PETROLEUM TRAINING CENTER)
- **2022** - Quality: The Concept & The Application (PETROLEUM TRAINING CENTER).

**Freelance Projects**
**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.