
Ahmed Abdelwadod Abdalla Elkhalifa

Jabra Avenue, Block No. 2, Khartoum, Sudan

Email: me@ahmedwadod.com - Website: www.ahmedwadod.com

Github: github.com/ahmedwadod - TEL: +249968736505

Summary

A young ambitious full-stack software developer with 7 years of experience. Worked in several fields including robotics, system designing, web development, app development, IoT and embedded systems. Expert in coding, debugging, testing, API creation and documentation. Handles work pressure and overloads appropriately. Good knowledge of leading programming tools and algorithms. Experienced in technical teams' leadership.

Skills

- Agile development skills.
 - Programming languages including: C/C++, C#, HTML5, CSS3, JavaScript, TypeScript and SQL.
 - .NET Framework and .NET Core development.
 - MVC web development with ASP.NET Core.
 - System Administration in both Windows Server and Ubuntu Server.
 - Capable of integrating systems through REST APIs.
 - Skilled with frontend libraries like: Bootstrap and Angular 8.
 - Work with Ionic 4 Framework.
 - Highly qualified with hardware frameworks like: Arduino, Raspberry Pi, AVR microcontroller, ESP8266, REV Robotics, LEGO Mindstorm RCX, LEGO Mindstorm NXT.
 - Electronic Circuit designing with EAGLE.
-

Volunteer Work

- **Computer Science Teacher**
 - Worked at Gifted and Talented Students Schools as a Computer Science teacher
 - Taught History of Computer, Workflow of programs and HTML
 - Taught from 4th to 8th grade
 - **Science Secretary at Gifted and Talented Students Union**
 - Made plans and distributed work to teams
 - Prepared scientific content for university level students
 - Established a student fair in Sudan University of Science and Technology
 - **Introduced sessions on programming in Mechatronics Engineering Inventors community**
 - Gave introduction to programming
 - Worked with groups to keep track of their progress
 - **Introduced sessions on programming to students in Sudan University of Science and Technology**
 - Talked about the role of AI
 - Talked about implementation of AI in real life
 - **Introduced sessions on self-learning to students in events**
 - Introduced session to first year students in Human Library event
 - **Mentored Team Sudan for FIRST Global Challenge 2019**
 - Established a team of 7 people
 - Supervised 5 students to make a robot
 - Raised funds for the journey
 - Won the outstanding mentor award
-

Commercial Projects

- **Peace Bridge Organization System:**
 - o Management system for an organization, features fully system management for the organization.
 - **Dr. Nazar Clinic:**
 - o Clinic management system, features patient, visits, operation and finance management.
 - **Hirfa Website:**
 - o A company profile website
 - **Raied Website: Raied.net**
 - o Company profile
 - o Registration system
 - **Strela Website: Strela-sd.com**
 - o Company profile
-

Open Source Projects

- **HotNews**

<https://github.com/ahmedwadod/hotnews>

A simple news app with searching feature. Built with Ionic 4 Framework

- **DBlue**

<https://github.com/ahmedwadod/DBlue>

A trial to make a non-relational database engine.

- **Neon**

<https://github.com/ahmedwadod/Neon>

Neon project is a software that can control a tri-wheel car over bluetooth using voice commands from input in PC.

- **Engineering Week Projects**

<https://github.com/ahmedwadod/EWProjects>

Some projects that suits expositions written in C#. These projects could be used for school, college or any kind of expositions.

Have been used in Sudan University for Science and Technology 15th Engineering Week.

Certifications and Awards

- FIRST Global Challenge 2019 – Dubai, UAE – Outstanding Mentor Award
- FIRST Global Challenge 2019 – Dubai, UAE – Certificate of Excellence
- FIRST Global Challenge 2017 – Washington D.C , USA – Certificate of Excellence
- SUST AINsoc – Projects competition 2017 – First place award
- National Youth Competition 2013 – Computer section – First place award