

# Ibrahim Muhammad Abdallah

## Software Developer

Proactive and solution-oriented computer engineer with 2+ years of experience in the software development industry. Passionate about technology advancement with superior attention to details, seeking to share and improve upon impeccable practical experience.

## WORK EXPERIENCE

### TCP/IP Programmer & Network Engineer

Golden Arrow Co. LTD

01/2020 - 04/2020

#### Achievements/Tasks

- Designed an internal captive portal system with flexible membership capabilities. technologies used (Nuxt.js, Windows Server 2016,AD, MikroTik's RouterOS 6.4)
- Developed automation scripts using powershell and reduced technical issues and software troubleshooting tasks by 70%. technologies used (PowerShell, C#, Power Automate )
- Optimized existing systems and improved data recovery and security.

### Full Stack Web Developer

Beit Elmaarifa International Co.

07/2016 - 10/2019

Khartoum, sudan

#### Achievements/Tasks

- Designed the frontend and the backend of the company's website and online services. technologies used (WordPress, Elementor, Vuejs).
- Developed and optimized a mobile app based on the website.
- Implemented containerization and virtualization technologies such as docker & VMware vSphere on existing applications resulting in a tremendous improvement in portability and compatibility.

### Software Developer & IT Specialist

ALKON CO.

07/2017 - 09/2018

#### Achievements/Tasks

- Optimized and monitored development and production servers and handled load balancing with 99.8% uptime.
- Provided continued maintenance and development of bug fixes and patch sets for existing web applications.
- Built a custom report module for Odoo ERP system.

### IT Engineer

Sudanese Free Zone (SFZ)

08/2017 - 08/2018

#### Achievements/Tasks

- Undertaken the migration process from legacy web services to newer technologies resulting in improved security and overall performance of the system.
- Contributed to the development of an internal document management system.
- Implemented industry's best practice and improved performance of workstations running enterprise software by up to 60%.

## EDUCATION

### B.Sc. (Honors) in Electronics Systems & Computer Engineering

University of Science And Technology

10/2011 - 05/2016

3.06 / 4 upper second class

## SKILLS

## PROJECTS

### Cross-Platform Web-Based IoT Control & Monitoring App (WIP) (08/2021 - Present)

- Simple dashboard app to control and monitor home appliances technologies used : node.js (NestJS) server, MQTT protocol and Quasar framework in the frontend

### Design & Development of beitelmaarifa.com & maksagriculture.com

- Based on WordPress CMS, designed, developed and maintained both the frontend and the backend of the sites @beitelmaarifa.com & @maksagriculture.com ↗

### Cross-Platform Employees Attendance System Using NodeJS, Vue.js & Quasar Framework (10/2020 - 11/2020)

- Simple web-based attendance tracking system using fingerprint scanner. technologies used : Arduino Microcontroller, Node.js backend server (Websocket & REST API), and Vue.js frontend @netlify ↗

### NFC-Based Gas Refilling Management System (04/2020 - 05/2020)

- Technologies used : Arduino Microcontroller, NFC Module, Node.js REST API server and MySQL DBMS

### CPU Scheduling & Emulation Desktop Application For Windows & Linux (10/2016 - 03/2017)

- A desktop application to simulate OS scheduling algorithms in C++ (QT 5 Framework)

## LANGUAGES

Arabic

Native or Bilingual Proficiency

English

Full Professional Proficiency

## INTERESTS

Web Development

Edge Computing

ML/AI

IoT

UI/UX Design