Buhari Nasir Maiwada

website: https://bsoftmaewada.github.io/my-portfolio/

Experience

GENERAL ASSEMBLY (REMOTE)
SOFTWARE ENGINEER
Aug 2020 – Nov 2021

- Fullstack, Frontend and Backend web developer.
- Coding using languages such as: JavaScript, Python and C.
- Knowledge on fundamentals of HTML, CSS, and JavaScript.
- Experience using frameworks such as NodeJS, Express JS, React JS and Django.
- Knowledge on JavaScript ES6 features such as classes, arrow functions, string templates, REST/spread operators, promises, async/await.
- Debugging, deploy, testing codes and seeking answers to problems.
- Using git and GitHub during the training with instructors and collaborate with coworkers on team projects.
- Working with other technologies like GitHub, VSCode, Insomia, Discord, Slack.
- Working with Database PostgreSQL, MongoDB and Heroku.
- Keeping track of changes made to code with Git version control system.

EMERSON AUTOMATION SOLUTIONS INC.
PRESSURE TRANSMITTER BUILDER II
Feb 2018 – May 2020

- Performed a wide variety of tasks at workstations, such as: hand soldering; brazing; making repairs and performing quality check testing using software application.
- Performed calibration and testing in production lines as per defined procedures.
- Wireless Pressure Gauge (WPG).
- Wireless Temperature Transmitter.
- Wireless Differential Pressure Flow Transmitter.
- Assembled devices used for measurement in a range of industries.
- Inspected work on a consistent basis to ensure quality.

Projects

Software Engineering:
- **HitMe:** web application game (using HTML, CSS, and JavaScript).
- **Assets Tracker:** web app (using JavaScript EJS, Express JS, Node JS, and MongoDB).
- **DevBook:** a developers social media web application for finding solution to problems (using REACT JS, CSS, Express JS, Node JS).
- **Car Dealership** Website App client project using Django, postgre and python.

Computer Engineering:
- Bluetooth Temperature and Humidity sensor using STM32 microcontroller and Android phone.
- Wireless Control Line Tracking Vehicle.
- Smart parking system (using Arduino Uno, Raspberry Pi, Sensor and Cloud).

Skills

Software Engineering:

- Python
- C Programming
- Java
- HTML, CSS, JavaScript
- Embedded JavaScript
- REACT JS
- Django
- ExpressJS
- Node.JS
- PostgreSQL
- MongoDB/Mongoose

Computer Engineering:

- Assembly Language
- VHDL/Verilog
- FreeRTOS
- Embedded-C firmware and drivers
- Peripherals (USB, PWM, SPI, ADC, UART and DMA)
- Microcontrollers (STM32, Arduino)
- Raspberry Pi
- IoT (Internet of Things)
- Smart Sensors
- Designing interfaces
- Hardware Design
- Computer Networking and Wireless
- Embedded system
- Operating systems (RTOS, GPOS)

Education

Bachelor of Science:
Computer Engineering (IoT).
Gradualed   Dec. 2020.

Minnesota State University Mankato, MN

Internships

AT&T Sommer Learning Academy
May – Aug 2020

May-Aug 2016 and May-Aug 2017.

Volunteer Experience

American Red Cross, Minnesota

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