SHRIRAM M. SALVEKAR Featured

Embedded Software Engineer seeking roles in Software Development,Application Programming,System Analysis,Technical Architecture,Requirement Gathering,Project Management,Process Improvement,Linux,C,C++

Current Designation: Embedded Software Engineer

Current Company: Sunshot Technologies Pvt. Ltd

Current Location: Pune

Pref. Location: Pune,Mumbai,Bengaluru / Bangalore

Functional Area: IT Software - Application Programming / Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Total Experience: 3 Year(s) 4 Month(s)

Notice Period: 2 Months

Highest Degree: Embedded system Design [CDAC]

Key Skills: Embedded Software Engineer,Software Developer,Software Development,Application Programming,System Analysis,Technical Architecture,Requirement Gathering,Project Management,Process Improvement,Linux,C,C++

Verified : **Phone Number |** **Email - id**

Last Active: 21-Jan-21 Last Modified: 21-Jan-21

Summary

Result-oriented Professional with over 3 years of experience in Software Development,Application Programming,System Analysis,Technical Architecture,Requirement Gathering,Project Management,Process Improvement,Linux,C,C++

Work Experience

Sunshot Technologies Pvt. Ltd as Embedded Software Engineer
Sep 2017 to Till Date

Key Role & Responsibilities :- Working as a Software Developer.
Configuration of Linux based Single Board Controllers such as Siemens IOT2000, CubieBoard, Raspberry-Pi. These Data Loggers are programmed to install at client location to monitor, to analyze the Solar Power Plant.
Development of Software's for Solar Power Plant according to Plant requirements such as Data Acquisition of plant devices using Modbus protocol, Data Interpretation, analysis of gathered Data of Solar Power Plant. Inter Network Communication of Plant Controllers using Socket Programming .Wired/Wireless network settings of Controllers to connect to Internet so that Controllers can send data to Cloud Servers.
Creating Smaller Databases on Data Logger which are used to develop front end Applications such as HMI(Human Machine Interface) which is used to display Real time Electrical parameters of Solar Power Plant.
Project Work : -
* Solar Synchronization with Grid & Diesel Generator (Sep 2017 - Present)
Project description : -
Solar Energy is a which is environment friendly green energy is now contributing to Grid Electricity & Diesel Generator in industries that reduces the Grid Electricity Consumption & fuel in Diesel Generator, but a synchronization is necessary in between the Solar Power Source & Industrial Power Source. This is the major objective to work under this project.
* Mimic Panel Alarm System (Sep 2020 - Oct 2020)
Project description : -
The main purpose of this application is to get alarm indication in the Control Room when there is an occurrences of failure in the Solar Power Plant System. The application is programmed for both type format such as Indication panel format and Hooter alarm.
* HMI Screen operated Sprinkler system for cleaning Solar Panels (Jun 2019 -

December 2019)
Project description :-
A requirement of an application is to clean solar panels, since the dust gets saturates on the solar panel which leads to lesser solar power generation. So to clean solar panels we programmed the solenoid valves such that it initiates the flow of water in the form of sprinkles onto the solar panels. A relay activation mechanism is used to activate the solenoid valves. Also HMI screen interface is provided to ease of access to initiate the Sprinkler System.IC555 Watchdog Circuit (Jan 2019 - Mar 2019)
Project description : -
A simple IC555 based circuit mechanism is designed to initiate required action. A certain voltage is given to IC555 IC in PWM format, change or break in the the voltage to IC555 will lower down the output voltage that initiates the required action such as reset mechanism, alarm using hooter, LED indication etc. Software used to develop the circuit schematic & PCB layout is Eagle software.
* Electrical parameter Analysis of Industrial Power Sources(Jun2018 - Oct 2018)
Project description : -
An application that has requirement of analysis of Electrical Parameters of Industrial Power Sources hence a single board computer like Raspberry-Pi, Orange Pi is configured as a Data Logger that minutely logs electrical parameters into files/databases which is useful for industrial peoples to understand & analyse the root cause of the loss due to electrical parameters in their industry. A HMI screen having fascilities like Daily histogram, Bar Graph values are also given to them for their analysis.
* Modbus RTU to Modbus TCP Converter (Mar 2018 - Apr 2018)
Project description : -
An open-source widely used Master-Slave communication protocol in embedded system is Modbus Protocol. A requirement in application includes a Modbus RTU protocol conversion to Modbus TCP. So this helps to establish a communication of the Master device with Slave device over Modbus TCP.
* Solar Active Power Logger (Dec 2017 - Feb 2018)
Project description : -
An application has requirement which involves the real time logging of Solar Active Power after every certain time of interval.

Minilec India Pvt. Ltd as Electronics Product Testing Engineer
Dec 2014 to Jan 2016

Role & Responsibilities :- Electronics Product Testing Engineer.
Testing of various Micro-controller based products, SMD(Surface mount Devices), SMPS & Electronics components. Fault checking of Electronics products.
To ensure the equipment is properly tested & certified according to the standard procedures.
Utilize Circuit Diagrams, Schematics to find the root cause of failures.

Education

UG: **B.Tech/B.E. (Electronics/Telecommunication)** from **Pune University** in **2014**

PG: **Embedded system Design (CDAC)** in **0**

IT Skills

Skill Name	Version	Last Used	Experience
C, C++, Linux			3 Year(s) 4 Month(s)

Languages Known

Language	Proficiency	Read	Write	Speak
English				
Hindi				
Marathi				

Affirmative Action

Category: General

Physically Challenged: No

Work Authorization

Job Type: Permanent

Employment Status: Full time