Highest Degree: B.Tech/B.E. [EEE]

MRINALINI SINGH (1) Featured

Senior Software Engineer seeking roles in Software Engineering, Design Engineering, Design Development, Continuous Integration, Risk Management, Risk Analysis, Data Structures, Technical Design, System Testing, Embedded C, Python, C++, Java



Current Designation: SENIOR SOFTWARE ENGINEER Total Experience: 4 Year(s) 1 Month(s)

Current Company: ROBERT BOSCH ENGINEERING AND Notice Period: 3 Months

BUSINESS SOLUTIONS

Current Location: Bengaluru / Bangalore

Pref. Location: Bengaluru / Bangalore, Hyderabad

Functional Area: IT Software - Application Programming /

Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Key Skills: Senior Software Engineer, Software Developer, Software Engineering, Design Engineering, Design Development, Continuous Integration, Risk Management, Risk Analysis, Data Structures, Technical Design, System

Testing, Java, C++, Embedded C, Python

Verified: Phone Number | Email - id

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

Summary

Embedded Software developer based out of Bengaluru with 4 years of experience. Currently working as a Senior Software Engineer in Robert Bosch Engineering and Business Solutions on Embedded Engineering Projects such as firmware development for Rexroth Variable Frequency Drives and USB dongle for firmware update.

Work Experience

ROBERT BOSCH ENGINEERING AND BUSINESS SOLUTIONS as SENIOR SOFTWARE ENGINEER Aug 2016 to Till Date

Growth Path:

ASSOCIATE SOFTWARE ENGINEER

SENIOR SOFTWARE ENGINEER

Responsible for design and implementation of various modules on new generation of devices (Diagnostics, Device to PC communication over USB and SISP)

Implemented Continuous integration using Jenkins for the VFD project.

Worked on design and development of bootloader for new generation of devices.

Designed and developed several modules related to speed and voltage control modes of the VFD

Worked on inter-board communication using SSC protocol over SPI and USART.

Developed data handling module for handling of data from Fieldbus protocol option cards like MEP and CANopen.

Worked on the communication and system handling modules of USB dongle for firmware update project.

Worked on the maintenance and bug fixing related to various modules on the current generation of devices.

Implemented the MODBUS RTU and ASCII communication module on the drive.

Developed the functionality for backup and restore of parameters from EEPROM to the device.

Test scripting for multiple modules using Python

Development of multiple tools using Python for firmware update, GIT repository cloning, etc.

Basic batch scripting and PERL scripting.

Education

UG: B.Tech/B.E. (EEE) from PES Institute of Technology in 2016

IT Skills

Skill Name	Version Last Used Experience
Embedded C	
Python	
GIT, Clearcase	
C++ and Java Programming	
OOPS	

Languages Known

Language	Proficiency	Read	Write	Speak
English				

Projects

Project Title: Firmware development of variable frequency drives

Client: Bosch Rexroth

Nature of Employment: Full Time Duration: Oct 2016 - Till Date Project Location: Bangalore Onsite / Offsite: Offsite Team Size: 10 Role: Sr. Programmer

Project Details: Firmware development in for the Rexroth variable frequency drives and related components using embedded

Affirmative Action

Work Authorization

Category: General Job Type: Permanent

Physically Challenged: No Employment Status: Full time