Poornatej Nagaiah Featured

Design Development Engineer seeking roles in Software Development,Application Programming,System Architecture,IT Infrastructure Management,Software Design,Defect Management,Quality Assurance,Risk Analysis,System Integration,Algorithm Development

Current Designation: Design Development Engineer

Current Company: Seimens RD

Current Location: Bengaluru / Bangalore

Pref. Location: Bengaluru / Bangalore

Functional Area: IT Software - Application Programming / Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Total Experience: 4 Year(s) 0 Month(s)

Notice Period: 2 Months

Highest Degree: B.Tech/B.E. [Electronics/Telecommunication]

Key Skills: software developer,software development,data structures,c++,algorithms,multithreading,programming,c,python,linux,debugging,windows,windbg,oops,design patterns,stl,vc++,object oriented design

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

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

Summary

Focused quick learner with 4 years of experience in designing, Software Development and system Testing. Seeking an opportunity for professional challenges
? Obtained substantial proficiency in algorithms, data structures, programming languages, embedded systems, operating systems, designing software infrastructure, mathematical modeling analysis.

Work Experience

Seimens RD as Design Development Engineer
Mar 2019 to Till Date

Involved in Developing Windows Application in C++/C for Post Processing to Modalities like CT,MR,US etc
* Implemented various business logic layers in facilitating communication between different components of the overall software architecture.
* Product Enhancement, Feature Implementation and Bug Fixes for existing application and Ensure high quality software by following Test Driven Development
* Good understanding and experience MFC framework,Object oreiented Database (Versant),Design Patterns,data structures and algorithms

Robert Bosch Engineering And Business Solutions as Software Engineer
Sep 2016 to Feb 2019

Role:
1.Debugging the algorithm in MATLAB simulation to identify the failures in step counter algorithm and defining the test equipment to measure the performance of the products
2.Participating in the Software Development Lifecycle (SDLC) right from requirement analysis, documentation (functional specifications, technical design), coding and testing (preparation of test cases along with implementation) to maintenance of proposed applications
3.Assisting in determining operational feasibility through analysis, problem definition, requirement analysis, and proposing solutions
4.Performing unit tests and functional/integration tests; supporting production deployments of developed solutions

5.Enhancing modules delivered to production by rewriting and developing new code to improve the efficiency and effectiveness of systems
6.Develop, Maintain and support Continuous Integration framework based on Jenkins

Highlights:
1. Performed automation with Python and MATLAB simulink to get the various MEMS sensor data (accelerometer,Gyroscope,Magnetometer) sensor data to verify and validate the sensor signals and estimated the step count to bench-mark the Step Counter Algorithm,Significant Motion Algorithm With the competators.
2. Identified and fixed critical bugs by System Study and perfoming various test cases on Sensor Fusion Algorithm which increased performance by 4%
3. Developed a product called PEIZOSTEP Which is used as ground truth reference device to benchmark various competators available in the market along with their implementation, and documentation; integrated software modules developed by other team members, and performed integration testing;
4. Performed detailed analysis of modules such as BSEC(Bosch Sensortec Environment Cluster),PDR(Pedestral Dead reoning) and virtual reality remote and defined the test cases for measuring the efficiency

Education

UG: **B.Tech/B.E. (Electronics/Telecommunication)** from **Sri Jayachamarajendran College of Engineering (SJCE)** in **2016**

IT Skills

Skill Name	Version	Last Used	Experience
C, C++, JAVA, Python and MATLAB			
Eclipse, GIT, MATLAB Simulink			
Visual Studio,Labcar,Jenkins			
Linux, Windows and Android			
Rational DOORS		0	1 Year(s) 0 Month(s)
HP ALM		0	0 Year(s) 0 Month(s)

Languages Known

Language	Proficiency	Read	Write	Speak
English	Expert			
Hindi	Proficient			
Kannada	Expert			

Projects

Project Title: Library Management System
Client: Personal
Nature of Employment: Full Time
Project Location: Mysore
Duration: Jun 2016 - Aug 2016
Onsite / Offsite: Offsite
Team Size: 1
Skill Used: C++, Data Structures, OOP,
Project Details: This project involved monitoring and controlling the transactions in a library which includes adding book, dispatching book, searching for book, displaying all the books based on the linked list data structures using object oriented programming language.

Project Title: Multi-functional Gesture Controlled Rover

Client: college
Nature of Employment: Full Time
Project Location: mysore
Duration: Jan 2016 - Apr 2016
Onsite / Offsite: Offsite
Team Size: 2
Skill Used: c, C++, arduino, SPI, I2C, Embedded C, RTOS, Embedded Systems, Device Drivers, Embedded Software,
Project Details: The Objective of this project was to implement various functionalities like wireless gesture controlling capability, line following, obstacle detection, temperature and humidity detection in a single rover with the help of atmega micro controller, 3 axis accelerometer, ultrasonic senor, infra-red transceiver,7 segment display, keypad and rf communication based trans receivers.

Project Title: Wireless Sensor Node
Client: college
Nature of Employment: Full Time
Project Location: Mysore
Duration: Jul 2015 - Sep 2015
Onsite / Offsite: Offsite
Team Size: 2
Skill Used: Sensors, Bluetooth, Arduino, Embedded Design, Hardware Board Design,
Project Details: The objective of this project was to integrate group of specialized seniors which senses various physical and environmental parameters such as air temperature and relative humidity to store it in a memory at a particular location to transmit the data through the Bluetooth to a main location. It was designed to toggle between the normal and sleep mode to increase the power efficiency.

Affirmative Action

Category: General

Physically Challenged: No

Work Authorization

Countries: India

Job Type: Permanent

Employment Status: Full time