SANDEEP BIKKUMALLA

Test Engineer

PROFILE

Iam a professional post silicon validation engineer, responsible for documenting, executing and reporting the overall functional test plan and verification strategy for a set of intel chips and Supporting the debug of PCIe PHY IP issues found during post-silicon, bring-up validation, Conduct system performance testing to ensure system reliability, capacity and scalability. Work with testing team to develop performance test plans and cases. Analyze test results and coordinate with development teams for bug fixes

CONTACT

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HOBBIES

SOCIAL NETWORKING
LISTENING to MUSIC
DIY in ARDUINO and raspberry-pi

WORK EXPERIENCE

[LOCUZ enterprise solutions](intel corporation) [Test-engineer]
[10/2020]–[present]

- Functional and performance validation of discrete and integrated graphic chip sets(ADL,TGL,PVC,ICX)
- Performance data analyzing and data reporting to concern team.
- Regression testing.
- First level debug and bug fixing.

[Eidiko system integrators] [Trainee-software engineer]
[02/2020]-[06/2020]

- Understanding databases ,inserting & retrieving data from remote databases.
- Deploying a project into the servers like Tomcat.
- Scheduling a tasks to run at some point in the future.
- Using Spring framework for fast development of EE application.
- Clear understanding of webservices and microservices.
- Debugging the application to find exceptions

EDUCATION

SRTIST (jntu-h)[B.TECH,ELECTRONICS]
[7/2014 – [08/2018]

- Secured 60% in overall academics.

M.V.R junior college [INTER, state board of intermediate]
[05/2012]-[07-2014]

- Secured 88% in overall academics.

BOARD OF SECONDARY EDUCATION [S.S.C]
[2012]

- Secured 92% in overall academics.

ACADEMIC PROJECTS

- ADL (desktop, laptop) PVC(server)
- Accident report system on highways using RF
- GSM based digital notice board
- Pre-paid parking system using i2c interfacing

TECHNICAL SKILLS

C, Basic C++, Core java, python
Windows Linux.
Git hub
Spring frame work,hibernate
Microcontrollers.
Arduino, raspberry pi
System bring up
API integration, Hardware integration
Communication protocol[UART i2c spi]
GPIO's
Debugging skills
RTOS
Shell scripting
IOT
Troubleshooting
Functional validation of chipsets
Performance checks
Effective use of logic analyzers, -oscilloscopes, dediprog, ITP,DCI, lauter batch debuggers.
Basic SQL
Manual tests to automation - conversion using Graphic test automation tools , bash scripts ,python
VMware
System bring up & boot loading
Python for automation

TRAININGS

Trained in VECTOR INDIA on ADVANCED EMBEDDED SYSTEMS for a period of 6 months.

DIY PROJECTS

GSM BASED NOTICE BOARD (4*16 display)
Water dispenser using IR.
Home automation using ESP8266
Automatic plant watering system using Moisture sensor
Water purity testing using turbidity sensor
Remote control-based home automation
HOME UPS using relays
Vehicle tracking using GPS.
Surveillance and motion detection using Raspberry-pi
Line follower robot using L293D

PERSONAL PARTICULARS

Father name : Chandra shekar
Date of birth : 26-09-1996
Mobile number:9700343551

PERSONAL TRAITS

- Hardworking
- Responsible to the work involved
- Simplicity
- Creative
- Good communication skill

Projects 1 : post silicon validation (intel)

- Worked on power-on for Pontevechhio (compute media ,executions ,power management executions)
- S-curve executions between ice lake and Tiger lake and tiger lake to alder lake-s.

Project 2: Accident report system on highways using RF(academic)

- Description: using RF technology a switch is arranged at the bonnet portion of the car, if any strong or heavy objects hits the car using RF transitter a alaramed signal is generated at the receiver end.

Project 3: GSM based digital notice board(academic)

- In this project, where an user can send message from any remote areas and the message will be displayed on the lcd screen.
- Logging data to SD card using i2c communication

Project 4: Prepaid parking system using RFID(vector)

- Parking system is made more efficient and more authorized using RFID reader and RFID cardsLogging data to SD card using i2c communication
- Logging data to SD card using i2c communication and fetching parking time using DS1307 with i2c interface