Anuj Kumar Singh | anuj.ksinghru@gmail.com | +91-8218350583

Summary

- 3.6 years of experience in Linux internal system Programming and Device Driver Development
- Knowledge on **DS ,OS** Concepts.
- Experience with C, Embedded C.
- Hands on Experience on **ADB** Commands.
- Efficient programming skills on C,DS, Embedded C.
- Worked with SIMCOM,GPS,ESP8266,FLASH,ESP32.
- worked on basic protocols like UART, I2C, SPI.
- Basic Knowledge of version control Tools Git,GDB,YOCTO.

Skills

- **Operating Systems** : Windows /Linux (Ubuntu)
- **Programming Languages** : Assembly Language, Embedded C,C
- **Compiling & Debugging Tools** : GCC, GDB, Git, ADB.
- **Tools & IDE** **:**QFIL,PCAT,QPST,Trac32,Casqade,AXIOM,Cscop
- **Protocols** : I2C, UART, SPI,
- **Hardware** : Snapdragon(6155,8155,8195),R8C2B(Renesas)

Education

- Worked as Embedded Software Developer at iscientific techsolutions labs **Hyderabad** from Sep-2020 to Dec-2021.
- working as a Software engineer in **Thundersoft INDIA Pvt Ltd Hyderabad** from Jan-2022 to Present
- Bachelor of Technology with 68.7% from I.E.T. M.J.P. Rohilkhand University, Bareilly,UP in 2019

Project

Project Name **: Secure System Group**
Client **:** Qualcomm – Hyderabad.
Team **:** Access Control team.
Project Description **:** Policy Promotion with Latest Updates.

Role and Responsibility:

1.Debugging and identifying the memory violation.
2.Modify the code according to the new policy and build.

3.Flash build on device and check violation.
4.if violation count is zero then create new CR.
5.Promote new changes to Package Warehouse(PW).

Environment/Tool : Linux/Ubuntu(18.04)
Technology : Embedded C,C

Worked on Transformer Monitoring System (TMS)

Description: This TMS device track the health of transformer like voltage, current , Power and it send the all these information with location to a remote server

Role and Responsibility:

1. Reading voltage from Transformer using controller 10 BIT adc
2. Stored data in Internal Flash of Controller
3. Collecting GPS data as per requirement using UART protocol
4. Storing GPS data to external flash using SPI protocol
5. Sending GPS data and transformer voltage data to remote server using (AT Command) in SIMCOM SIM800C.

Environment/Tool : High Performance Embedded Work Shop4.
Technology : Embedded C,R8C2B,SIMCOM SIM800C

Motor Control Feedback System

Description: Read the data from the remote server like voltage limit and ON and OFF condition and write in the internal flash using UART and again read back the memory and compare the reading data and new server data if it is mach then not write in flash if it is not match then write in flash and according to data change motor on and off this process repeat after one minute

Role and Responsibility:

1. Reading voltage from remote server using SIMCOM SIM800C.
2.Stored data in Internal Flash of Controller
3.Again read the internal Flash using UART protocol
4.compair flash data and server new data
5.if data is same then not write in flash otherwise write in flash and according to data motor turn on and turn off.

Environment/Tool : High Performance Embedded Work Shop4.
Technology : Embedded C,R8C2B,SIMCOM SIM800C

Personal Profile

- Date of Birth : 15 July 1995
- Language known : English, Hindi.

Declaration

I hereby declare that the above information is correct to the best of my knowledge and belief.

Place: Hyderabad (Anuj Kumar Singh)