



Surendar V. B

Senior Embedded Engineer

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 [Bold Profile](#)

Seasoned Embedded software developer with eight years of experience specialized in the field of R&D sector, seeking an opportunity in software development. Talented Senior Embedded Software Engineer proficient in all phases of software development lifecycle. Adept at working with Agile and Scrum methodologies to accomplish project milestones according to specific timeframes.



Skills

- Linux Kernel
- Linux Yocto
- C Programming
- Continuous Integration
- Embedded Linux
- Python



Work History

2022-07 - Current

Senior Embedded Software Engineer

Visteon Technical and Services Center, Chennai, India

- Having programming experience in Embedded C and bash scripting
- Have experience In Continuous Integration in automotive infotainment in CI/CD pipelines
- Optimizing System performance and contribution to improve overall KPI parameters
- Implementation of Open Embedded (Yocto Project) based build system for embedded Linux products, including writing of recipes and integration of proprietary software.
- Have experience in Linux and build systems like Make
- Have working knowledge on GIT , JIRA and ASPICE.

2021-09 - 2022-07

Senior Embedded Software Engineer

L&T Technology Services, Chennai, India

- Worked in Software development of AAMP Media player and AAMP simulator for Comcast STB and Hi-sense devices
- Worked in development team to correct problems , run test scenarios and prepare for deployment .

2019-06 - 2021-09

- Prepared scripts for easy installation and debugging of the source code in mac os and linux

Senior Embedded Software Engineer

Visteon Technical and Services Center, Chennai, Tamil Nadu

- Responsible for Integration of touch and display drivers with NXP IMx8 Architecture in automotive Infotainment.
- USB-PHY driver configuration with respect to requirements.
- Boot time optimization for reducing time taken for system to display.
- Have experience in Vector tools like CANoe and CANalyzer

2017-09 - 2019-05

Embedded Software Engineer

VVDN Technologies, Kochi, Kerala

- Project - Mirror replacement in vehicles using periscope design.
- Worked on porting from reference board to custom board.
- Developed algorithm for interfacing with OBD connector using SOCKETCAN.
- Interfaced EEPROM with custom board using datasheet.
- Implemented color control in video by adjusting RGB registers by using TRM.
- Used Code Composer Studio to debug application and use cases.
- Worked on Image Transformation algorithm to crop and resize image buffer in according to display end.
- Worked on system side development for various use case requirements in TI-RTOS.
- Evaluated emerging technologies for potential application in future projects, staying ahead of industry trends and market demands

2016-02 - 2017-08

R&D Embedded Systems Engineer

Yalamanchili Manufacturing Pvt. Ltd, Chennai, Tamil Nadu

- Project - Control and Monitoring Tool (CAM).
- Worked on TCP / IP socket programming to develop client server application for kiosks to communicate with Server.
- Developed module to monitor health of kiosks and also to control kiosks.
- Integrated Shared Card Dispenser with ARM V7 processor and also made CAM to take control over device operations.
- Developed module to auto detect issues of kiosk and resolve it accordingly using CAM.
- Integrated CAM application on ARMv7 processor board.
- Trained new employees and explain protocols clearly and efficiently.
- Integrated device drivers for camera with Am355x and implemented software module in C and GTK to run camera when it is initiated.

2014-11 - 2015-11

Process Associate

Cognizant Technologies Solutions, Chennai, India

- Responsible for efficient dealing of complaints to completion and enabling satisfaction of customer.
- Responsible for documenting all calls with regards to participant inquires accurately using Call Tracking System

2009-09 - 2013-04



Education

Bachelor of Engineering: Electrical and Electronics

