SHUBHAM .
Software Engineer

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Bilekahalli, Bengaluru, India, Bengaluru, India 📍

Post Graduate Diploma in Embedded System with 2 years + experience in Boot-Loader Development for ECU`s in Automotive Industry.

WORK EXPERIENCE

Executive Engineer
Elektrobit Automotive

04/2019 – Present   *Bengaluru*

Achievements/Tasks

- Integration/Validation of BSW components of EB stack for the Boot loader Development.
- Developing an Autosar compliant wrapper for the MCAL layer ,provided by the silicon vendor for the respective derivatives.Modification of the linker script for different targets as per the requirments.
- CAN stack and Eth. Communication following the Autosar Architecture ,Lauterbach , UDS (14229),EB Tresos Studio ,SW validation ,Conformance Testing.
- Experience in JIRA tool , EB tresos Studio ,Totoise SVN, Eclipse ,ITA/TBF tool,CAPL & Python Scripting , Debugging via T32.

Software Engineer
Bosch Automotive (RBEI)

09/2017 – 04/2019   *Bengaluru*

Achievements/Tasks

- Integration of Autosar CUBAS BSW Components .
- Responsible for the Requirement Analysis , Integration , compilation , Configuration ,Testing and debugging as per the specification defined by the OEM`s.
- Automated Test Bench Setup for Bootloader on CAN protocol .Physical/Functional Testing & Debugging of Boot Loader UDS Services.
- Tools : Trace32 , V-Tester ,DDT2000 , Canoe, Canalyzer, DOORS ,PTC integrity MKS.

EDUCATION

Bachelors in Technology
Bharati Vidyapeeth University College of Engineering ,Pune

06/2012 – 06/2016

Courses
- Electronics and Telecommunication engineering

Higher Secondary School
DAV Co Op Sr Sec School

2010 – 2012

Matriculation
DAV Co Op Sr Sec School

2002 – 2010

SKILLS

Embedded C   ARM-7TDMI, Cortex M3

ECU Boot Loader   I2C/SPI

Autosar Comstack Integration   LinkerScript

SW Validation

In Vehicle Networking - CAN/Ethernet

PERSONAL PROJECTS

Data Acquisition using HTTP (03/2017 – 06/2017)
- Data Acquisition refers to the acquiring, analysing and presenting the information.
- Tempreture (TMP006) and Accelerometer (BMA222) sensors that is embedded in CC3200 LaunchPad (powered by cortex m4)is used to extract data using i2c and further http restful services is used to update the templates of the html page.
- This html page is stored on the data server (implemented on flash locally) and further using the wifi mode the launchpad the data is updated dynamically to the web server.
- The user gets Dynamic Data such as Device status etc using Tokens in HTML pages (mysimplelink.net/main.html) is the web url that is used to manipulate the Html data from the client .

CERTIFICATIONS

Post Graduate Diploma in Embedded Systems Design (02/2017 – 08/2017)
CDAC ACTS Pune

INTERESTS

Quora   Foreign Affairs   Badminton