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AREA OF INTEREST

- Embedded Automotive
- AUTOSAR Developing (BSW)
- Communication layer (COM-stack, NM)

PROFESSIONAL SUMMARY

- Presently working as Embedded Software Developer in Communication layer(BSW- NET) for FORD-MOTOR Company
- Including 2.7 + years of experience in Automotive on the domain of Anti-Lock Braking Systems(ABS) in Electronic Stability Program(ESP), Integrated Power Brake(IPB)- IPB1.0, IPB2.0
- Good experience in AUTOSAR components Basic Software-BSW in Communication layer/COM-stack, Diagnostic Event Manager, Diagnostic Communication(Beginner)
- Experience in calibration protocol- XCP on CAN
- Experience in diagnostic protocol- UDS
- Exposure on SDLC, Agile Methodology
- Good Experience in requirement engineering, design, implementation and testing of the same implemented automotive SW
- Experience of Autosar Network & Diagnostic modules (Comstack,DCM, DEM) sw configuration and development using autosar specific tool like BCT configurator
- Experience of AUTOSAR Lifecycle modules
- Strong knowledge and experience of CAN/CAN FD
- Hands-on experience in testing CAN tools like CANalyzer/CANoe, HIL etc

EDUCATION

Degree & Stream	Institution	Board/ University	Year of Completion	Score
B.E(ECE)	M.Kumarasamy college of engineering-Karur	Anna University- Chennai	2019	7.64 CGPA
Higher Secondary (HSC)	Amrita Vidyalayam-Tiruppur	Matriculation	2015	78.9%
Secondary (SSLC)	Amrita Vidyalayam-Tiruppur	Matriculation	2013	84.8%

EXPERIENCE

Embedded Automotive | AUTOSAR Developer- BSW | Communication Stack & NM

Bosch Global Software Technologies

Sep 2021 - Present (2 years)

- Experience in working on AUTOSAR embedded projects for Active Safety in particular Anti-lock Braking system(**ABS**)
- Good exposure in Modules/Features like Vehicle Speed AccuracyInformation (VSAI), Public & **Private** CAN, Adaptive Cruise Control (ACC), **XCP** on CAN
- Possess strong background in Embedded C programming on the domain of AUTOSAR
- Good experience in Green Hills Multi IDE, Lauterbach Debugger, Renesas E1 and E2 Emulators
- Good work experience in protocols of **CAN**, LIN and Code tools like BCT for Com-stack, NetworkManagement for layered configuration
- Good Debugging and Problem solving skills
- Exposure in Change management tool like JIRA and Jenkins
- Knowledge of **MISRA C** 2012 and its related using tools
- Experience of Autosar Communication modules (PDUR, Com, Can, CanTp, CanTrv, CanIF, CanNM, ComM) SW configuration
- Knowledge on using Model based Environment for testing of modified SW code in HIL
- Knowledge on analyzing customer requirements and convert them to design and code
- Knowledge on Technical guidance in implementation of Safety Mechanisms and in other technical **FS** aspects
- Exposure in ISO **26262** of Automotive Industry Safety Standard

Junior Software Engineer

BRIGOSHA Technologies- Payroll

Sep 2021 - Present (2 years)

Vector Institute- Chennai

Duration: Mar- Sept 2021 (**7 months**)

Embedded Systems Full-time Course

- A comprehensive training program with a well-integrated approach to embedded system development
- Learned practical lessons and techniques used to design, implement, integrate, and test software used for advanced Software and embedded systems
- The course discusses with detailed description of the life cycle for designing multi-objective and multi-discipline software and embedded systems.

SKILLS

TECHNOLOGIES

Simulation: Vector CANoe, Vector CANlyzer

Requirements: Rational Doors

Design: Enterprise Architecture

Operating systems: Linux, Unix, MAC

Flashing tool: EF, Modular

Integration tool: Jenkins

SCRIPTING LANGUAGES

Embedded C

Python

DECLARATION

I solemnly decalre that all the above are true, complete and correct to best of my knowledge and belief.

25/10/23

(ABDUL RAHIMAN)
