

VIJAY OMKAR GANESH GUPTHA

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SUMMARY

Dedicated software professional with **2 years** of experience in the automotive industry, specializing in virtualization of ECUs and AUTOSAR-based development. Skilled in collaborating with cross-functional teams to deliver software ensuring customer satisfaction.

PROFESSIONAL EXPERIENCE

Software Engineer at Bosch Global Software Technologies [Jan 2023 – Present]

- Virtualized ECUs for various OEMs, ensuring seamless integration and compatibility.
- Collaborated with cross-functional teams to integrate virtual ECUs with simulation models and test environments.
- Design, Implementation and feature upgradation of vCOM and vASIC modules/components.
- Experience in Debugging and testing of components using Silver and Eclipse.
- Worked closely with OEMs to ensure virtual ECU models met their specific requirements and standards.
- Collaborated with testing team to develop and execute test cases for virtualized ECUs.
- Provided support for resolving issues and optimizing ECU performance.
- Performed SIL tests, validated standard test cases and delivered high-quality results.
- Utilized virtual XCP for virtual ECU calibration, measurement and testing with INCA.
- Utilized Git for version control, collaborating with team members on code reviews and ensuring seamless integration of changes.
- Implemented Git workflows like feature branching, pull requests to streamline code reviews and merges.
- Managed and tracked project progress using Jira, creating and assigning tasks, and monitoring issue resolution.
- Created, edited, and maintained PVERs and BC-FC components within SDOM, ensuring accurate and consistent configurations.
- Supported for development of AI-Chatbot which helps in resolving common customer queries to improve team productivity by 25% on quarterly basis.
- Served as single point of contact for a major automotive client's validation teams, ensuring seamless communication and issue resolution.

TECHNICAL SKILLS

- Programming Languages: C, Embedded C
- Automotive Standards: AUTOSAR, ISO26262
- Development Methodologies: Git, Agile development, CI/CD, Jira, SDOM
- Communication Protocols: SPI, CAN, LIN, XCP
- Tools: INCA, Silver, ETAS-MDA, ClearQuest, Visual Studio, Eclipse
- Virtual ECU Development, Calibration and Testing

EDUCATION

- **Bachelor of Technology** [2018-2022] in **Electronics and Communication Engineering** at Nalla Malla Reddy Engineering College (CGPA: 7.07)
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AWARDS

- Extra Miler: Go-to person for peer support.
- Bravo Award: For handling multiple virtualization requests.
- WOW Award: On-time delivery of virtual ECUs of various OEMs and as well as offering support to other team members for virtualization.

DECLARATION

I hereby declare that all information mentioned above is true to the best of my knowledge.

Vijay Omkar Ganesh Guptha