

Sourav Kumar Verma

Software Engineer at Robert Bosch



Experienced Software Engineer with a demonstrated history of working in the automotive industry. Skilled in C++, Finite State Machines, Data Structures, and C (Programming Language). Strong engineering professional with a Bachelor of Technology focused in Electronics and Communications Engineering.



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Profile Summary

- 2.5 years of experience in automotive embedded software development of Chassis Control and Driver Assistance **Electronic Control Units** with **AP5ICE** standards.
- Excellent hands-on experience in **AUTOSAR** configuration tools and BSW software development.
- Hands-on experience in working with Diagnostics communication based on **UDS (ISO 14229)**, **DoCAN (ISO 15765)**, Generic OEM Diagnostics Specifications.
- All activities of **V-Model** and Software Development Life Cycle - Requirement Analysis, Coding, Design, Testing, Reviews and work flow management.
- Requirement analysis** from **AS** for Bosch and OEM specifications, creating of **RS**, **SWFS** and **SWCS** in tools like **IBM DOORS**.
- Design** of software based on specifications using tools like **Enterprise Architecture**.
- Software development** and configuration tools in like **Vector Geny**, **Da Vinci**, **Bosch Diagnostics Tool** and **Eclipse** based IDEs.
- Working experience in programming languages like Embedded **C**, **C++**, **Java**, automation using **Python**.
- Good understanding of data structure, algorithms and industrial coding standards like **MISRA**.
- Testing** in HiL (ETAS LabCars) experience for component test and integration test in Hardware in Loop and Software based simulation environment using tools like **Canalyzer**, OEM/Bosch **Diag tools**, measurement tools **MM6**.
- Having done reviews using **BBM Review tool** and **Inspection tool**.
- Work flow management using tools like **IBM Jazz**, **IBM ClearQuest (CSCRM)** and **TCM**.
- Result oriented leader, having lead a team for global projects.
- Proficient in handling OEMs and third party suppliers.

Project Experience

Domain Knowledge:

- Active Safety Braking Systems**
- Field Load Management (FLM)**
- PATS (Passive Anti-Theft Security)**
- AES Algorithm**
- BSW Configurations**

Role: Software Engineer (DCOMPR - software developer and Autosar configurator)

Responsibility:

- Requirement analysis creating/accepting of requirement documents like AS, RS, SWFS and SWCS.
- Design and development of software, which includes manual coding as well as Autosar configurations
- Co-ordinating with Requirement Based Independent Test Team (RBT) for test plan in alignment with the software development.
- Planning implementation scope for a baseline and assignment of task to team members.
- Integrated software verification for baselines, process reviewer with ASPIICE compliance.

Role: Associate Software Engineer (DCOMPR - software developer and Autosar configurator)

Responsibility:

- Design and development of software.
- Creation of diagnostic communication specification for OEMs
- Test support and hardware connections in LabCars.

Skills:

Phase	Tools
Requirement Handling	DOORS, Splunk
Design	Enterprise Architecture, MS Word, MS Visio
Programming and configuration	Geny, Da Vinci, Candela Studio, BCT, Eclipse IDEs, C
Testing	Canalyzer, Tk_WinX, DET, Xflash, MM6, EEPROM Container, Sequence Files, NVM Dumps
Work Flow	IBM Jazz, CSCRM, TCM, DEEP

Education:

Qualification	Institute	Year of Passing	CGPA / Aggregate
B. Tech (Electronics and Tele-communications)	CV Raman College of Engineering, Bhubaneswar	2018	8.66
Higher Secondary (Class XII CBSE)	Surendranath Centenary School, Ranchi	2013	72.4
Matriculation (Class X CBSE)	Surendranath Centenary School, Ranchi	2011	7.8

Certifications:

- Business English – Cambridge English Entry Level Certification in ESOL International
- Embedded Systems & Robotics - SSEPL
- Vocational training in Advance Telecom - BSNL

Personal Details:

- Date of Birth: 27th July 1995
- Languages Known: English, Hindi
- Interests: Basketball, Swimming

Contact Details:

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