

# Vinay Kumar CH (Automotive Software Engineer)

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## Summary:

- Having Total 2 Year Experience in **Automotive Embedded Software Development and Testing** Domain, Expertise in Testing software using **Embedded C, Eclipse IDE, STT testing Tool, Isystem Debuggers**.
- Having experience in **Bootloader**.
- Having experience in **Unit testing**
- Having experience on Testing Tools like **Isystem, Jenkins, STT**.
- Having experience with **Eclipse, GIT, Gerrit, Jenkins testing, Jira**.
- Worked Automotive Hardware ECU **RH850....**
- Knowledge in coding standards, **CAN protocol, Unified diagnostic services, Reprogramming sequence and CANtp (CAN Transport Layer)**.
- Good Knowledge in Communication Protocols like **UART and I2C**.

## Technical Skills:

- **Programming Language**- Embedded C and C Programming.
- **Development Tools/Software**- Eclipse IDE.
- **Automotive Protocols**- CAN, UDS.
- **Automotive Testing Tools**- WinIdea Isystem, Jenkins.
- **Microcontrollers**- RH850.
- **Testing Tool**- STT (Software Testing Tool).
- **Version Control/Configuration Management Tools**- GIT.
- **Requirement Tracking Tools** – Gerrit.
- **Communication protocol** – UART, I2C and SPI.

## Education:

Degree/Course	Board/University	Name of the Institution
Bachelor of Engineering	JNTU KAKINADA	ECCT, Eluru
PUC	STATE	Sri Vidyalaya Jr College
SSLC	STATE	Sri Vidya Public School

## PROFESSIONAL EXPERIENCE:

Working as **Automotive Embedded Software Development and Testing** in Geneca Solutions pvt ltd from May-2019 to till date.

## PROJECT:

### **DFL(Unit Testing):**

- Domain : Automotive
- Role : Software Engineer.
- Tools : GIT, Eclipse IDE, STT testing tool, Jenkins etc.

### **Roles and Responsibilities:**

- Analyzing and understanding the customer specific requirements.
- Do the necessary configuration.
- Creating Stub file.
- Creating test file by.
- Justifying the Statements.
- Using MC/DC coverage.
- Maintaining the Coverage should be 100%.
- Generating the Report.

### **Bootloader (Body Control Module)**

- Domain : Automotive
- Role : Software Engineer.
- Tools : WinIdea, GIT, Eclipse IDE, Isystems Debuggers, Jenkins etc.

### **Roles and Responsibilities:**

- Analyzing and understanding the customer specific requirements.
- Do the necessary configuration.
- Diagnostics- Run the reprogramming sequence and make sure application flash is successful.
- Testing Modules
- Customer Release and Engagement for bug fixes.

**Declaration:**

I do hereby declare that the above information is true to the best of my knowledge and belief.

(VINAY KUMAR CHANDA)

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