**OBJECTIVE:**

A passionate Software System Integration/Resident Engineer looking forward for opportunities to work in new technologies and take up challenging activities and roles to secure a responsible career opportunity to fully utilize my training, skills and making a significant contribution for the growth of the organization.

**PROFESSIONAL SUMMARY:**

* 4+ years of experience in automotive domain with hands-on experience in cluster systems.
* Experience in collaboration between SW, Systems, and Validation teams.
* Experience in SW release and system integration process.
* Experience in Agile development process (certified **SCRUM** Master).
* Completed Introduction to Autonomous mobility using ROS&Python(**IEEE** certified course)
* Experience in SW development, Debugging and testing tools.
* Experience in working with IDE tools like Eclipse, Good Knowledge in **SVN, PTC** and **Git**.
* Knowledge on V850, SH7268, RL78, 8051 micro controllers.
* Hands on experience in using debugger GHS, HEW and Emulators.
* Experience in automotive communication protocols like **LIN, CAN**, **ETHERNET** and **MOST**.
* Expertise in field issue reproduction, analysis, tracking and resolving.
* Proven experience in customer relationship management.
* Documentation experience with Microsoft tools, PTC.

**PROFESSIONAL EXPERIENCE:**

**Software Systems Integration/Resident Engineer Oct 2017-Tilldate**

**N S International,** Troy, MI.

Integration/Resident Engineer for Stellantis (Fiat-Chrysler Automotive) on Wx cluster family.

It is a Global-A cluster development project for General Motors, worked on cluster family B3/A8G2.

**Roles and Responsibilities:**

* Organizing customer (**PDT**) meetings for requirement clarifications, open issue discussions and maintain **OIL**.
* **SPOC** at customer location for IPC.
* Preparing the timing plan (mpp) based on Customer milestones and monitoring it in timely manner and making sure to deliver the required-on time.
* **Liaison/Lead** offshore teams on SW development, requirement clarifications, release milestones, issue investigation and resolution.
* Integrating customer application (GM appl/ FCA appl) into cluster driver layer SW and responsible for integration testing and integration test plan development.
* Debugging field issues in Embedded IPC cluster Software (using Oscilloscope, CAN logger, GHS probe etc.).
* Perform Vehicle Level testing for issue reproduction, to check and provide the feedback on robustness on the SW
* Built a mini bench to replicate the vehicle scenario at bench level to verify the issues (bench consist of different ECU’s like radio, display, BCM, MOST setup, Cluster, IGN states etc..)
* Update the IPC SW in pilot vehicles based on the customer request and replacement of IPC parts in vehicle as required.
* Requirement analysis, review, development of vehicle level test plans, system level validation test plan development/review and approvals.
* Prepared DTC criteria Matrix, verified these trouble codes in vehicle to confirm if the issues are on cluster side or not.
* Debugging, issue reproduction and monitoring data in vehicle using ETHERNET, CANoe, MOST and Vspy.
* EEPROM creation and supporting for the reflash at plant for TWN’s and working with plant/quality team for production issues and customer claims.
* Document the defects in version control PTC, EEVal, PRTS and Redmine.
* Create and communicate customer SW release timeline, internal timeline for different groups, 5-phase issue report and Root Cause analysis.
* Based on the analysis, provide a report about the robustness of the software

**Systems Engineer Feb 2017-Sep2017**

**SVNIT services,** Hicksville, NY

**Roles and Responsibilities:**

* Involved in all the phases of SDLC including Requirements Collection, Design & Analysis of the Customer Specifications, Development and Customization of the Application.
* Effective using of SVN for version control
* Designed, developed and deployed the **Custom objects, Page layouts, Custom tabs, Components.**
* **Manage users, Public Groups, Profiles, and Roles** within the Salesforce CRM; this involved designating access to the applicable user within the user hierarchy.
* Responsible for Testing - unit testing & integration testing.

**Graduate Assistant, Department of Electrical Engineering, Bradley University.**

 **Jan 2016 – May 2016**

* Maintained all Electrical Engineering laboratories, conducted lab for the undergrad students and provided instructional and technical support on Oscilloscopes, Signal generators, Digital multimeters, Network analyzers etc.

**Academic Qualification:**

* Masters from Bradley university IL, Electrical Engineering, GPA 3.81 -Dec-2016
* Bachelors from JNTU Kakinada, Electronics and communication engineering, GPA 3.8, May 2013

 **RELEVANT COURSES:**

* Embedded micro-controller Linux, Embedded TCP/IP, Embedded data structures and OOP, Digital Signal Processing, Digital System Design, Micro-processor Architecture Design.