Satish Sharma

Gurgaon, Haryana, India

+91 94678 50401

me.satish1@gmail.com

Skype: Sharmasatish1

Gender : Male

Date of Birth: 20th July, 1983

Nationality: Indian

Passport: L1844388

Languages: English, Hindi, German

Skills

- Development, Testing, Re Engineering & Enhancement
- Waterfall, Spiral, Iterative, Incremental, Test Based, Agile
- Project Management Tools: MS Project, Office and SAP

- System Software and Real Time Operating System (RTOS)
- ASIC (Mechatronics, Application, Measurement)
- ARM, MPC, Intel Architectures

- I2C, UART, SPI, Bluetooth
- RS 232/485, USB, HDMI
- CAN, LIN, FlexRay, LINFlex, TTCAN, OBD II
- UDS, KWP 2000, GMLAN

- C, C++, MATLAB, Assembly, Python
- C Graphics Library, OpenGL, API, DLL
- Keil, CANoe, CANalyzer, GHS Multi
- Operating systems: Windows, RTOS, Linux and Unix

Experience: 7 Years+

- Graphler Technology Services, Gurgaon
  Technical Lead, June 2014-Till Date

- Magneti Marelli Powertrain, Manesar (Gurgaon)
  Senior Engineer, July 2013 – May 2014

- VVDN Technologies Pvt. Limited, Gurgaon
  (August 2012 – April 2013)

- Larsen & Toubro (IES) Limited, Mysore
  (Sept 2011- June 2012)

- HPL Socomec Private Limited, Gurgaon
  (Aug 2008 – July 2011)

Education

- Bachelor of Engineering (Computer Science) in 2008 from Maharshi Dayanand University, Rohtak

- Diploma in Information Technology in 2005
  From S.B.T.E. Haryana

- Passed 12th in 2002 from C.B.S.E.

- Matriculation in 2000 from C.B.S.E.

Training

- Certified C++ Language Associate, Pearson Vue Centre Gurgaon

- CAN, KWP 2000, UDS, CANoe and CAPL in MMPIPL, Gurgaon (2 Months)

- German language Certification From Inlingua, Gurgaon (2 Months)

Projects

GMLAN – Transmission Control Unit (TCU) Validation and Verification

Project: Functionality Validation of TCU using Automated Test Suite Diagnostic as per GMLAN 3110 Enhanced Diagnostic Specification

Technology: C, C++, CAN, GMW 3110, CAPL, CANoe, CANalyzer

Team Size: 3

Responsibilities:

☑ Ensured compliance with Validation procedures, Manuals, Standards, Protocols and client checklist
☑ Test Scripting in CAPL and execution of test cases on Vector Test Bench
☑ Test report and defect log Documentation

OBD Scan Tool Re-engineering

Project: Development of a device that connects to vehicle OBD port to acquire CAN data

Technology: CAN, Unified Diagnostic Services (UDS), CAN – OBD II, Elm 327, C, VC++, Visual Studio

Team Size: 3

Responsibilities:

☑ Device H/w and S/w Platform Assembly
☑ Development of Firmware and PC side test application
☑ Ensured compliance with Validation procedures, Manuals, Standards, Protocols and checklists

Microcontroller IP Validation: Automotive Powertrain Applications Specific

Project: Validation of Communication subsystem IPs in a chip specifically designed for Automotive Powertrain

Technology: C, GHS, CAN, LIN, LINFlex, FlexRay, TTCAN, Low level Design, Embedded Systems Architecture

Team Size: 8

Responsibilities:

☑ Customization of Pre Existent version of test code to meet current test requirement
☑ Development of test cases in C on GHS Compiler
☑ Test report and defect log Documentation

Vehicle Tracking System

Project: GPS based Vehicle Tracking System

Technology: STM 32F 103 Controller, RTOS, C, C++ with Linux, Multithreading, Keil, GPS, GSM & GPRS, I2C

Team Size: 4

Responsibilities:

☑ Device H/w and S/w Platform Assembly
☑ Parameter configuration and Field testing

Medical Device Test Application Development

Project: Development of an Application that assist in automating Scanner test bench in NI Labview

Technology: CAN, C, VC++, Visual Studio 2010, TCP/IP, WIN32 API, Windows Driver Model (UMDF), OOAD & UML

Team Size: 5

Responsibilities:

☑ Modular design of Application
☑ Coding and Developer side testing

Place:

Signature: