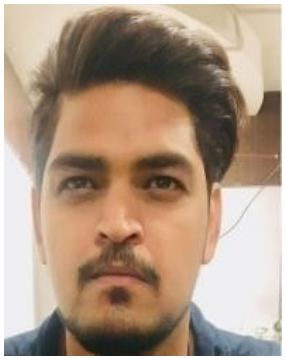
Curriculum vitae

Satish Kumar



Singapore, Singapore

+65-80240739 / +49-17670106345

satish.kumar.singh.e@gmail.com

https://satishsingh0077.github.io

Gender: Male | **DOB**: 12/08/1993 | **Nationality**: Indian

Motivated and task-oriented individual with over 5 years of experience in Automotive Software Development. Experiece in complete software development life cycle. Posses critical thinking, analytical, problem solving, interpersonal and relation building skills. Capable of conversing in English (Proficient), Hindi (Native) & German(A2)

Technical Skills: Adas, Agile, Algorithms, Alita, Aspice, Automotive Ethernet, Autosar, BitBucket, CAN, C++, C, Confluence, CSS, DataStructure, Design Pattern, Doors, Ecu-Worx, Embedded, Gerrit, Git, Gtest, HMI, HTML, INCA, Jenkins, MultiThreading, Oops, Python, Rhapsody, Scrum, SDOM, Shell Scripting, SVN, TCP, Telematics, UML, VModel

Fundamental Skills: Strong understanding of Physics(Classic and Modern), Mathematics(Linear Algebra, Statistics & Geometry)

Work Experience

1. Senior Embedded Engineer at Continental, Singapore [12/2022 - Present]

Project: Suzuki: Telematics application development for data communication ECU
Key Skills: C++/C, Embedded, UML, OOPS, MultiThreading, Data Structure, Classic Autosar, CAN, Canoe, TCP, Ethernet, DCM ECU, Telematics, GoogleTest, Agile, Scrum, VModel, Jenkins, Jira, Gerrit, Doors, Rhapsody
Responsibilities & Achievements:

- Designing multi-threaded, high performance applications in UML
- Developed real time telematics application in C++ and C
- Developed complex applications involving http, tcp and automotive ethernet
- Feature owner, handling end to end responsibility
- Optimized code for real time performance improvement

2. Work Student at Luxoft, Germany [11/2021 - 06/2022]

Project: Volkaswagon Cariad: Functional Test for Diagnostics Apllications
Project: Luxoft Inhouse: Aspice automation for traceability
Key Skills: C++, Python, ShellScrip, Html, Css, Xslt, Automation, UDS, Enterprise Architect, OOPS, Data Structure, Adaptive Autosar, Rhapberry Pi, CAN, Canoe, GoogleTest, Agile, Scrum, VModel, Jenkins, Jira, Git

Responsibilities & Achievements:

- Writing functional tests for Diagnostic service applications based on customer provided software test specification in C++.
- Automation of Test using Google Test framework.
- Aspice artifacts automation.
- Automated the process of Aspice artifacts creation.
- Created quality dashboard for entire process traceability.

3. Embedded Software Engineer at Robert Bosch, India [05/2019 - 03/2020]

Project: DFCV & CNHTC: Embedded Software Develpment for Engine Control Module ECU
Key Skills: C/C++, Python, Classic Autosar, ADAS, Doors, Rhapsody, Ecu Worx, SDom, Inca, Can, Canoe, Jira, Scrum, VModel, Requirement Engineering
Responsibilities & Achievements:

- Developed Adas embedded software for engine control modules
- Facilitated Inter Ecu Communication Via Can
- HIL Validation on INCA

4. Software Engineer at KPIT Technologies, India [11/2016 - 04/2019]

Project: Denso: HMI Develpment for Instrument panel cluster
Key Skills: C/C++, Python, Altia, Renesas Mc, ADAS, Canoe, Can, Debugging, Polyspace & Qac, SVN, Scrum, VModel
Responsibilities & Achievements:

- Developing HMI graphics for Instrument panel cluster
- Developing software for controlling transitions of various animations
- Performing traceability and dependence study for impact analysis
- Translations generation for various menu structures
- Feature owner for Traffic sign recognition HMI module
- Created complex animations for selectable drive modes
- Created macro tools for comparison and formatting

Educational Background

- 10^{th} - 84.8% Central Board For Secondary Education India
- 12^{th} - 78.6 % Central Board For Secondary Education India
- B.E. - 7.49 CGPA Electronics & Communication, VTU India
- M.S. - 2.1 GPA Medical Systems Engineering, (70/120 CP) OVGU Germany