**Sandesh Pramod Korgaonkar**

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**Career Summary:**

* Having more than **7** years of experience in **development of C/C++ Applications**
* Hands on experience of**GDB debugging**
* Having good understanding of **GITHUB, GIT**and**SVN**
* Involved in designing, development and testing of software and bug fixes
* Excellent team player having good communication and interpersonal skills

**Experience Profile:**

1. Worked as **Senior Software Engineer** at **Automotive Robotics India** (formerly **Davachi Consulting India Pvt. Ltd.**) from February 2019 till December 2020.
2. Worked as **Member of Technical Staff** at **Vela Trading Systems** (formerly**Street Response Labs, India**) from September 2014 till November 2018.
3. Worked as an **Associate System Analyst**at**NSE INFOTECH Services Ltd** from March 2012 to September 2014.

**Technical Skills:**

* Programming Languages : C, C++, Data Structures, Algorithms, Multithreading
* Operating Systems : Linux, Windows 7
* Tools : Visual Studio 2015, GDB, Valgrind

**Davachi Consulting India Pvt Ltd:- Work Summary & Projects Handled**

**Project #1:**

**Project Name : Task Controller UI/UX**

**Role : Developer**

**Environment : C++, Windows 7**

**Project Description:**

Task controller is based on ISOBUS specification (ISO 11783-10) which provides universal protocol for electronic communication between implements, tractors and computers. This project involved redesigning of UI for display software and handling of corresponding background activities involving data storage and all.

**Responsibilities:**

* Design the architecture and implement the same in C++.
* Unit testing and verification of all the work features, with FRED display device.
* Troubleshooting & bug fixing if required.

**Vela Trading Systems: - Work Summary & Projects Handled**

**Project #1:**

**Project Name : SMDS Latency Reduction for OSE/TSE**

**Role : Developer**

**Environment : C++, Linux**

**Project Description:**

This project involved finding the root cause for higher latency with SMDS in case of **Tokyo Stock Exchange** and **Osaka Stock Exchange**and making the code optimizations or the new feature changes to handle data burst from the exchange.

**Responsibilities:**

* Code optimizations and relevant changes to handle data burst in C++.
* Verification of latency reduction over network with actual data from exchange.

**NSE Infotech: - Work Summary& Projects Handled**

**Project #1:**

**Project Name : Latency Reduction in TAP**

**Role : Developer**

**Environment : C/C++, Windows and Linux**

**Project Description:**

TAP acts as a mediator between the Front End used by member to pump the orders and the Host Servers at the Exchange on which actual trading transactions takes place. The main work of TAP is to transfer the orders from front end to exchange and responses from exchange to member, with minimum latency. Purpose of this project involved changing the TAP code in such a way that, it could reduce the latency furthermore and help it maintain in milliseconds.

**Responsibilities:**

* Modification of TAP code, to accommodate changes to reduce latency.
* Testing Load Balancer functionality implemented.

**Other Utility Projects:**

* Development of utility to pump the Enquiry requests on the host through TAP and logging of error if any.
* Development of utility to convert the **Contract file** provided by Exchange in different formats useful for different **Order Pumping Tools**.