

AJAY SHRIVASTAVA

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WORK EXPERIENCE:

- **Total 6+ years of professional experience.**
- **Senior Software Engineer in Marelli India Gurugram** (Dec 2021 to June 2022)
- **Software Engineer in Quest Global - Client Bombardier Transportation {TCMS}, Vadodara** (Feb 2019 to Feb 2021).
- **Software Engineer in First Global - Client British Instruments, Bangalore** (Sept 2016 to Feb 2019).

SKILLS SUMMARY:

- Strong programming skills in **C, Embedded C.**
- Experienced in **Independent Verification and Validation(IV&V).**
- Experienced on **DO-178B** guidelines.
- Expertise in performing **Requirement Based** and **Code based Testing.**
- Expertise in Component and Integration **testing.**
- Expertise in performing **Black box** and **white box** testing.
- Expertise in **Functional testing, Structural testing, Regression Testing.**
- Expertise on **Software Development Lifecycle(SDLC).**
- Expertise in **Peer Review, Technical Review.**
- Expertise in **Analysis, Code Review.**
- Experienced on **MISRA-C** Coding Standard.
- Experienced in **ALM and Atlassian** Tools chains.
- Testing on **SCADE/ STATEFLOW(MATLAB) Models.**
- **Device Driver Validation.**
- **Reporting and Documentation.**

Applied Technologies / Tools :

<u>Position</u>	<u>Company</u>	<u>Project</u>	<u>Applied Technologies / Tools</u>
Senior Software Engineer	Marelli India, Gurugram	Device Driver Validation (Automotives)	Integration testing, C programming Language ALM Tool Chain, JIRA Watir Tool, Beta testing – staging environment, CMMi driven test approach
Software Engineer	Quest Global - Client Bombardier Transportation {TCMS}, Vadodara	Innovia Product family ZEFIRO EXPRESS/VTM , (Metro Railways)	Integration testing, functional testing, C# programming Language

Software Engineer	First Global - Client British Instruments, Bangalore	CRDi Engine, (Heavy Industry Transportation) Unmanned Aerial Vehicle	Sand box testing Load testing stress testing C programming Language
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EDUCATIONAL QUALIFICATION:

- B.E in **AERONAUTICAL ENGINEERING** with 76% from Sri Satya Sai Institute of Science and Technology, Sehore in 2016.
- H.S.S.C with 66% from Silver bells higher secondary school, Ashta in 2012.
- H.S.C with 68% from Pushpa higher secondary school, Ashta in 2009.

Detailed PROJECT PROFILE:

Project #1

Device Driver Validation (Dec 2021 to June 2022)

Role: Sr. Software Engineer.

Responsibilities

- Develop Test environments.
- Developing Test Strategy.
- Development of Test design and Test scripts.
- Debugging and Reporting.
- Analyze test results, detect issues and track root causes.
- Suggest fixes and improvements
- Document technical issues and solutions
- Code review based on coding standards.
- Test deliverables and documentation

Project #2

Innovia Product family (March 20 – February 21)

ZEFIRO EXPRESS/VTM (February 19 – February 20)

Role: Software Engineer (QA Tester).

Responsibilities

- Training and mentoring new software tester.
- Develop test environments.
- Developing Test Strategy.
- Development of Test design and test scripts for Component testing.
- Debugging and Reporting.
- Analyze test results, detect issues and track root causes.
- Suggest fixes and improvements
- Document technical issues and solutions
- Code review based on coding standards.
- Component Test deliverables and documentation.

Project #3

Common Rail Diesel Engine Fuel Injection System (May 2018 – Jan 2019)

Role: Software Engineer.

Responsibilities

- Creating Test Cases Using State Flow (MATLAB) Models.
- Development of Test design and test scripts for unit testing.
- Developing the test cases to test each and every function.
- Configuring the Test Tool settings to build the source code.
- Functionality testing and structural testing.
- Performing code coverage analysis, Memory profiling, Performance profiling.
- Code review based on coding standards.
- Unit test deliverables and documentation.

Project #4

Unmanned Aerial Vehicle (Sept 2016 –March 2018)

Role: Software Testing.

Responsibilities:

- Development of code and interfacing communication protocols
- Configuring the RTTRT settings to build the source code.
- Development of Test design and test scripts for unit testing.
- Developing the test cases to test each and every function.
- Setting of MC/DC conditions.
- Functionality testing and structural testing.
- Performing Requirement Coverage Analysis, Structural code Coverage Analysis.
- Performing Memory profiling, Performance profiling.
- Code review based on coding standards.
- Involved in TIR (Technical Issue Report).
- Unit test deliverables and documentation.

Personal Details:

- Name : Ajay Shrivastava.
- Date of Birth : 13-08-1993.
- Languages : English, Hindi

Date:

Place: BHOPAL

Ajay Shrivastava