MADHUP SINGHAL

Dedicated and result-oriented software engineer with 2+ years of experience in understanding and anticipating the agile infrastructure needs and creating an environment where development, quality assurance, staging & production work can proceed efficiently and securely.

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Work Experience

Embedded Software Engineer
Caterpillar India Pvt Ltd.
(September 2021 - Present**)**

Human Machine Interface (HMI) Testing:
- Software quality assurance of the product based on functionality, performance, and adaptability.
- Understanding, implementing and automating the product functionality.
- Operating the platform within our security and privacy guidelines.
- Assisting PLC integration with HMI using RSLinx.
- Manual and exploratory testing based on quality gates.
- Create test cases.

Technology Used:
- Automating web based and windows application using python Selenium & pywinauto respectively.
- Unit Test writing using MsTest framework in C#.

EDUCATION

Bachelor of Technology in Electrical Engineering
Poornima College of Engineering, Jaipur, Rajasthan
August 2016-July 2020

Skills
- Python (Selenium, Pywinauto)
- Manual Testing, Functional Testing, Regression Testing.
- C# unittest
- Strong communication and analytical skills.
- Quality Assurance

Interest & Hobbies

- Gymnasium
- Volunteer Involvements