

Karthik M Budihal

Senior Test Engineer



8 Years 7
Months



(+91)
8892713938



karthik.budihal93@
gmail.com



Profile Summary

With over 8.5+ years of experience as an Automation Engineer, I specialize in Industrial and Test Automation. My expertise lies in utilizing Sikuli (Python) for desktop automation, Classic TifLib (C #) for Pcs7 and Innovation TifLib (Selenium) for web automation. I possess a strong grasp of process instrumentation, PLC programming, and hands-on proficiency in PCS7 and TIA Portal. My skill set includes Agile methodologies, diverse testing types, and thorough experience in test case development and review. I am well-versed in AWS and mind mapping, with comprehensive knowledge of SDLC and STLC, making me a valuable asset to any automation team.



Key skills

- Automation Tools: Sikuli, Classic TifLib, Innovation TifLib (Selenium), C#, Python, Nunit, GitHub Copilot, Pytest, PyCharm
- Cloud & Development Platforms: AWS
- Industrial Automation: PLC Programming, PCS7, TIA Portal
- Testing & Frameworks: Smoke, Functional, Integration, System, Regression, UAT, Performance
- Test Case Review & Development
- Mind Mapping & Planning
- Methodologies: Agile (Sprint Planning Standups, Review, Retrospectives)
- Development Life Cycles: SDLC, STLC
- Version Control & DevOps: Azure DevOps, SVN, GitHub
- Process Instrumentation Testing
- Knowledge of API Testing, REST



Personal Information

City **Bengaluru**
Country **INDIA**



Education

B.Tech/B.E., 2015

Electrical & Electronics Engineering, KLEIT College of Engineering and Technology, Hubli

Diploma, 2012

Electrical & Electronics, BVVS Polytechnic Bagalkot

10th, 2009

Karnataka, English



Work Experience

Nov 2021 - Present

Senior Test Engineer
Siemens Technologies

- Led end-to-end desktop application automation using Sikuli for PCS7.
- Developed automation scripts using Classic TifLib for PCS7 and Innovation TifLib for TIA Portal UCP runtime.
- Integration between Classic TifLib and Innovation TifLib to enhance engineering and runtime efficiency.



Languages

- ENGLISH
- HINDI
- KANNADA
- GUJRATHI



Social links

<https://www.linkedin.com/in/karthik-budihal-983925101/>



Certification

- PLC SCADA PROGRAMMING

- Contributed to the implementation of Continuous Delivery (CD) pipelines and cost-saving automation efforts for device compatibility tests, saving approximately 60 days/year.
- Reviewed and developed test cases for automation projects, ensuring high standards of quality.
- Leading a Team of 2

Jul 2020 - Nov 2021

Lead Electrical Engineer

HCL Technologies

- Designed and architected control systems, overseeing PLC project development and control part/module selection.
- Managed debugging and fixing critical production issues, ensuring smooth and timely project execution.
- Responsible for documentation management using Teamcenter, ensuring accurate and up-to-date records of all project developments.

Jan 2018 - Feb 2020

Project Executive

FOX Solutions

- Managed project activities, coordinating requirements for process equipment and manpower, ensuring timely completion.
- Developed and tested PLC, DCS, and SCADA applications, performing HW/SW testing and FAT.
- Led the site commissioning process, ensuring seamless integration of systems on-site.
- Managed all aspects of project documentation, ensuring accurate and timely updates throughout the project lifecycle.

Oct 2015 - Jan 2018

PROJECT ENGINEER

KUKSONS ELECTRONICS PVT LTD

- Developed and tested PLC and SCADA applications, overseeing the completion of project documentation and site commissioning.
- Conducted both hardware and software testing, as well as Factory Acceptance Tests (FAT), to validate system performance.
- Led the site commissioning process, ensuring seamless integration of systems on-site.