TOMASZ
KUSIAK
Software Verification Engineer

About Me

Experienced Software Verification Engineer with 15 years of expertise in the Energy and Aerospace industries. Skilled in Embedded Software Verification, Test Automation, Data Acquisition, and Embedded Systems development. Proficient in Python and National Instruments tools, including LabVIEW, TestStand, and VeriStand, with a strong focus on automating testing processes to ensure software quality and reliability.

Contact

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📍 Klonowa 1024,
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Skills

- Expertise in NI environment tools: LabVIEW, TestStand, VeriStand
- Proficient in Python programming
- Embedded systems verification
- Test automation
- ISTQB Certified software tester
- Leadership and team collaboration
- Strategic planning and process improvement
- Tools: JIRA, Bitbucket, Bamboo, Git, Visual Studio Code, PyCharm

Language

- Polish
- English (Fluent)

Work Experience

Senior Staff Embedded Software Verification Engineer
2010 - since

Woodward Poland sp. z o.o.

Throughout my 15-year tenure I have been involved in numerous activities:

- Designing automated test stations for aerospace electronics programs, ensuring compliance with industry standards and requirements,
- Developing test environment architectures, drivers, and user interfaces to support comprehensive software verification,
- Ensuring software quality through regression, integration, and system testing using industry best practices,
- Creating, maintaining, and optimizing test scripts for embedded software verification, leveraging automation tools to improve efficiency,
- Developing test plans, strategies, and work estimates to meet project requirements and deliverables within timelines,
- Utilizing Git and Bitbucket for version control to ensure code integrity and streamlined collaboration,
- Collaborating with cross-functional teams, including design, development, and system team, to ensure seamless integration and verification,
- Leading a team of engineers by providing mentorship, development plans, project goals, and technical assistance to foster collaboration and growth,
- Driving strategic initiatives and conducting research assignments to improve processes, methodologies, and technologies.

LabVIEW Developer
2009-2010

Veritech sp. z o.o.

- Creating program architecture,
- Designing user interfaces and program structures,
- Testing applications and preparing project documentation.

Education

AGH - University of Science and Technology
2004-2009

Master of Science in Electronics and Telecommunication