Karol Wiśniewski

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Education

- Kent, United Kingdom College Centre Ashford — 2009 – 2010
- Polytechnic Electronics and Telecommunication Department — 2004 – 2008
- High School Association of Electric Schools/profile Electrotechnic — 1999 - 2004

Certificate & Interests

- PRINCE2 Foundation Level.
- Institute PROCAD Auto CAD. Level_2.
- SEP Qualification Voltage Certificate 1kV.
- Training CISCO/CCNA Routing and Switching.
- IPC/WHMA Requirements for wire harnesses.
- ISTQB® Certified Tester, Exam Passed 25.10.2024.
- Constructor & Tester Half-year Training Switzerland.
- Training Requirements for soldering electronic packages.
- Radiocommunication Systems National Research Institute.

- Agile approach.
- Automated Tests. UML.
- Auto Cad & Visio Design.
- Embedded Systems, Linux, HIL.
- CAN, Vehicle BUS, IBIS, Ethernet.
- Language: Polish Native, English C1.
- Basic HTML, CSS and Dev-Tools, Nagios.
- Junior Python Developer. PyTest. Webdriver.
- Soldering, THT, SMD, BGA Replacements.
- Multimeter, Oscilloscope and laboratory equipment.
- JIRA, Confluence, Share-point, Enova365, X-ray, Trello.

Experience

Key Areas. IT - Software Testing.   *2022 - 2025*

- Backlog management and task prioritization.
- Effective collaboration with developers and testers.
- Developing and adding new test cases to improve coverage.
- Managing the installation and configuration of test environments.
- Monitoring test plans aligned with project goals and requirements.
- Managing tests in response to reported defects, issues, and incidents.
- Using Jira for task management, time tracking, test planning, and execution.
- Hardware and software integration testing to ensure proper system operation.
- Making modifications to simulators, harnesses, and devices to optimize testing.
- Modifying XML configuration files, services, databases, and radio configurations.
- Reviewing requirements, test documentation, specifications, and functionalities.
- Worked with Scrum methodology to improve project workflow and team collaboration.
- Stabilized the test environment through hardware repair, upgrades, modernizations, and migrations.
- Performed regression, integration, component, system, functional, non-functional, and confirmation testing.

⌨️Python Engineer - 1 year
🩺Medical Engineer - 1 year
🛠️Embedded Systems - 1 year
📼HIL/SIL - 1 year
🏭Process Engineer - 2 years
🐞Test Engineer - 3 years

💻Electronic - 5 years
⚡Electrician - 5 years
🏋️Project Engineer - 10 years
🗂️SW & HW House - 13 years
🚜Automotive - 13 years
🚉ITS - 13 years

✨Agile
✨SCRUM
✨SEP_1kV
✨ISTQB 4.0
✨PRINCE_2
✨AUTO_CAD
✨ENGLISH_C1

✨JIRA
✨X-ray
✨API
✨REST
✨Postman
✨DevTools
✨Confluence

✨XML
✨CSS
✨HTML
✨Pytest
✨Selenium
✨Py-Charm
✨Web_Driver

Key Areas: Automotive - Software & Hardware Projects. 2012 - 2022

Business
- Establishing and maintaining business relationships.
- Analyzing problems and situations and developing strategies to resolve them.
- Organizing meetings with stakeholders and conducting formal presentations.
- Working closely with the sales department to align business goals and strategies.
- Gaining valuable experience working with clients from both the private and public sectors.
- Selecting suppliers and project partners to support the implementation of project requirements.

Design
- Effective collaboration with clients, suppliers, developers, and testers.
- Preparing design documentation, estimates, and executive summaries.
- Verifying client requirements to ensure they align with the project scope.
- Participating in design and conceptual workshops with cross-functional teams.
- Participating in factory acceptance tests (FAT) and on-site acceptance tests (SAT).
- Monitoring project progress at every stage to ensure timely and efficient implementation.
- Managing project input resources and monitoring integration with contractors and subcontractors.

Customer Support
- I organized remote and on-site training for engineers and end users.
- I collaborated with corporate partners to deliver solutions tailored to client needs.
- I maintained direct contact with all project stakeholders, including regular on-site visits.
- I provided warranty and post-warranty services for hardware and software maintenance.

Research and Development (R&D)
- I designed, built, and modified tram and bus simulators.
- I conducted functional and performance tests of client equipment.
- I modernized and implemented innovative solutions for client equipment.
- I developed and implemented hardware and software solutions for new products.
- I created dedicated applications for cable harnesses and detailed, professional data sheets.
- I built wire harnesses in accordance with IPC/WHMA-A-620, ECE R118, and EN 45545 standards.
- I developed and implemented a product strategy to migrate from an old approach to a new one.
- I implemented network configurations for testing in both production [vehicle] and laboratory environments.
- I created engineering documentation such as diagrams, schematics, troubleshooting guides, instructions, material approvals.

Project success done :)

- 2013 203pcs. Displays.
- 2013 30pcs. Bombardier's.
- 2014 37pcs. Text to Speech.
- 2015 36pcs. PESA.
- 2016 60pcs. SOLARIS.
- 2016 15pcs. AUTOSAN.
- 2017 32pcs. SOLARIS.
- 2018 18pcs. AUTOSAN.
- 2018 52pcs. SOLARIS.
- 2018 86pcs. MERCEDES.
- 2018 12pcs VOLVO.
- 2022 60pcs. STADLER.
- 2022 25pcs. SOLARIS.
- 2022 10pcs MAN.