

# Bc. Stanislav Nikolaievskiy

TEST AUTOMATION ENGINEER · EMBEDDED SYSTEMS

Prague, Czech Republic

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## Summary

**Test Automation Engineer** with **3+ years** of experience in **embedded systems**, focused on building reliable automation and improving CI/CD pipelines.

Improved test coverage by **40%+** and significantly reduced manual testing across **EtherNet/IP**, **VoIP**, and **web UI** platforms. Developed **Python/Pytest** frameworks, **Playwright** test suites, and internal tools that helped identify **100+ defects** and support stable release cycles. Experienced in hardware testbed management and protocol-level validation for industrial networking devices.

## Skills

<b>Programming &amp; Development</b>	Python (proficient — framework design, custom tools), JavaScript, Bash
<b>Test Automation &amp; QA</b>	Pytest, Playwright, API validation (Insomnia), Hardware testbed automation
<b>Embedded &amp; Protocols</b>	EtherNet/IP, VoIP/SIP, TCP/IP, Linux, Wireshark, Packet-level debugging
<b>CI/CD &amp; Infrastructure</b>	Jenkins pipeline automation, Git/Gerrit workflows, WSL, VirtualBox

## Experience

### 2N Telecommunications

Prague, Czech Republic

TEST AUTOMATION ENGINEER

September 2025 — Present

- Owned the design and evolution of automated test suites for embedded intercom systems, improving coverage across critical system and regression scenarios.
- Developed **50+ end-to-end UI tests** using Python and Playwright, integrating browser-level validation with device-level testing.
- Improved the test framework and CI pipeline and built **3 internal Python/PySide tools**, reducing manual QA effort by **40%**.

### Rockwell Automation

Prague, Czech Republic

TEST AUTOMATION ENGINEER

August 2022 — August 2025

- Developed and maintained test suites for an **embedded EtherNet/IP networking library**, ensuring coverage of critical protocol behavior across releases.
- Led defect investigation and validation throughout the lifecycle, identifying and verifying **100+ issues** and contributing to stable releases.
- Enhanced the **automation framework** and maintained **hardware testbeds**, improving test reliability and overall team productivity.

## Education

### Czech Technical University in Prague | Faculty of Electrical Engineering

Prague, Czech Republic

B.S. IN ELECTRICAL ENGINEERING

June 2019 — February 2023

- Focused on **power engineering**, **motor control**, and **PLC automation** — directly applicable to embedded systems testing and hardware-level understanding.
- Thesis: **"Vehicle Kinetic Energy Recuperation"** — [View online]

## Languages

**English** Full professional proficiency

**Czech** Full professional proficiency

**Russian / Ukrainian** Native

## Projects

<b>WSL Port Bridge</b>	Python automation tool for seamless Windows/WSL network port forwarding	📄 GitHub
<b>API Tester</b>	Lightweight Python API testing framework with minimal dependencies	📄 GitHub
<b>Personal Website</b>	Self-built portfolio and project showcase using HTML/CSS/JavaScript	🌐 Live