

# Volodymyr Yahello

## Python Automation Engineer

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### Summary

I'm a passionate python automation engineer with over 7 years of commercial experience. My main qualification is based on python, test automation, linux, docker and networking. I have solid experience in building projects from the scratch using python related tools. All projects have complied with best coding practices, CI/CD support, unit tests coverage and static code analysis. My main responsibilities were to build test automation procedures, tools and CI for the QA team.

For 1.5 years, I've been involved in development-related tasks - SOA, REST API, mocks based on flask, asyncio, elk, sqlite and redis. Actively develop personal tech stack (maintain bunch of github projects based on flask/fastapi/django, bots, parsers, plugins).

Contribute to open source (pet) projects in spare time and plan to launch a fully-fledged blog

### Skills

#### Programming Languages/Technologies

- python
- bash
- asyncio
- groovy (basics for Jenkinsfiles)
- html, css, js (basics)
- jinja2 (basics)

#### Development frameworks

- flask-like (flask, fastapi, responder)
- aiohttp, pyramid, django (basics)

#### Operating Systems

- linux
- raspberry pi os
- microsoft windows
- cisco ios/nx-os

#### Embedded

- raspberry pi 3/4

#### RDBMS

- sqlite, redis, sqlalchemy, postgres (basics)

#### Methodologies

- scrum
- kanban

#### Test Management/Tracking Tools

- tims, qtest, testrail
- rally, jira, zephyr

#### CI Servers

- jenkins
- travis
- github actions
- kats (amazon)

#### Testing frameworks

- pyats
- pytest
- unittest
- doctest
- selenium, zalenium
- robot framework, playwright

#### Version control system

- git
- gerrit
- svn

#### DevOps/Monitoring

- docker, docker-compose
- elasticsearch & kibana
- datadog & grafana
- ansible (basics)
- zabbix (basics)

#### Other

- oop, ood, procedural paradigm
- networking stack (I2/I3 layers)
- web rtc

<b>Experience</b>	
<b>Project Description:</b>	<b>Remote operations backend for Terraform</b>
<b>Company:</b>	Scalr
<b>Involvement Duration:</b>	1.8 years (Mar 2022-present)
<b>Project Role:</b>	Python SET
<b>Responsibilities:</b>	<ul style="list-style-type: none"><li>■ automate backend/frontend e2e tests</li><li>■ automate reporting and logging tools</li><li>■ build CI pipelines for product releases</li><li>■ support daily/release automation runs</li></ul>
<b>Tools &amp; Technologies:</b>	Python, pytest, linux, terraform, docker, k8s, playwright, github actions, datadog, grafana
<b>Project Description:</b>	<b>Ring Embedded test automation.</b> Firmware test automation of smart Ring doorbells and video cameras based on ML and AI.
<b>Company:</b>	Squad (Ring Ukraine)
<b>Involvement Duration:</b>	2 years (Feb 2020 – Feb 2022)
<b>Project Role:</b>	Python SDET
<b>Responsibilities:</b>	<ul style="list-style-type: none"><li>■ automate firmware, functional, video/audio and wifi tests</li><li>■ automate test reporting and analysis tools (e.g smart bug detection, smart rerun)</li><li>■ build CI pipelines, support daily/weekly/release automation activities</li><li>■ build python webrtc client for automobile video recorder device</li><li>■ build soa/rest using flask, redis, sqlite, docker</li></ul>
<b>Tools &amp; Technologies:</b>	python, pytest, asyncio, aiohttp, flask, threading, mocks, bash, groovy, sqlite, redis, linux, raspberry pi, git, gerrit, jenkins, docker, ansible, zabbix, static analysis (flake8, black, mypy)

<b>Project Description:</b>	<b>Stealthwatch: Cisco Security Monitoring and Defense.</b> Automation of monitoring, detecting and analyzing network threats.
<b>Company:</b>	SoftServe
<b>Involvement Duration:</b>	3 years 8 months (Jul 2016 – Feb 2020)
<b>Project Role:</b>	Automation QA Engineer
<b>Responsibilities:</b>	<ul style="list-style-type: none"> <li>▪ automate functional, system, performance, web ui and api (rest) tests</li> <li>▪ develop monitoring system with elasticsearch &amp; kibana stack</li> <li>▪ build CRUD rest micro-services with flask-like api</li> <li>▪ create and publish metrics collection python packages on internal pypi for test teams</li> <li>▪ release automation with docker and ci/cd</li> </ul>
<b>Tools &amp; Technologies:</b>	python, bash, flask, pyats, pytest, unittest, doctest, linux, cisco, docker, jenkins, elk, git, selenium/zalenium, scrum, static analysis (pylint, mypy, pydocstyle, flake8, black)
<b>Certificates</b>	<ul style="list-style-type: none"> <li>▪ Brainbench Python 2.4, 3.3, 3.4 (Master)</li> <li>▪ Brainbench Linux Administration (General)</li> <li>▪ Softserve   university “Quality assurance and testing of cloud services” (has successfully completed a training course of SoftServe IT Academy program) May12, 2016 – July 12, 2016 Serie AA №4909/2016</li> <li>▪ Softserve   university “Kids Room” (was actively involved as Quality Assurance engineer in a voluntary project) June 21, 2016 – July 12, 2016 Serie AA №5006/2016</li> </ul> <p>Please follow <a href="#">14193415</a> certificate transcript</p>
<b>Education</b>	Master’s degree; Ivan Franko National University of Lviv Graduate (2010-2016)
<b>Languages</b>	English – Intermediate strong (B1+) Ukrainian – native