Volodymyr Yahello

Python SDET/QA 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, postgre (basics)

Methodologies
- scrum
- kanban

Test Management/Tracking Tools
- tims, qtest, testrail
- rally, jira

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
- datadog & grafana
- elasicsearch & kibana
- ansible (basics)
- zabbix (basics)

Other
- oop, ood, procedural paradigm
- networking stack (l2/l3 layers)
- webrtc

Experience

Project Description:	**Remote operations backend for Terraform.** Test automation of cloud resources deployment using infrastructure as a code.
Company:	Scalr
Involvement Duration:	1.8 years (Mar 2022 - present)
Project Role:	Senior Python SET
Responsibilities:	

- automate backend/frontend e2e tests
- automate reporting and logging tools
- build CI pipelines for product releases
- support daily/release automation runs

Tools & Technologies:	python, pytest, linux, terraform, docker, k8s, playwright, github actions, datadog, grafana

Project Description:	**Ring Embedded test automation**. Firmware test automation of smart Ring doorbells and video cameras based on ML and AI technologies.
Company:	Squad (Ring Ukraine)
Involvement Duration:	2 years (Feb 2020 – present)
Project Role:	Python SDET
Responsibilities:	

- automate firmware, functional, video/audio and wifi tests
- automate test reporting and analysis tools (e.g smart bug detection, smart rerun)
- build CI pipelines, support daily/weekly/release automation activities
- build python webrtc client for automobile video recorder device
- build soa/rest using flask, redis, sqlite, docker

Tools & Technologies:	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)

Project Description:	**Stealthwatch: Cisco Security Monitoring and Defense.** Automation of monitoring, detecting and analyzing network threats**.**
Company:	SoftServe
Involvement Duration:	3 years 8 months (Jul 2016 – Feb 2020)
Project Role:	Automation QA Engineer
Responsibilities:	

- automate functional, system, performance, web ui and api (rest) tests
- develop monitoring system with elasticsearch & kibana stack
- build CRUD rest micro-services with flask-like api
- create and publish metrics collection python packages on internal pypi for test teams
- release automation with docker and ci/cd

Tools & Technologies:	python, bash, flask, pyats, pytest, unittest, doctest, linux, cisco, docker, jenkins, elk, git, selenium/zalenium, scrum, static analysis (pylint, mypy, pydocstyle, flake8, black)

Certificates	▪ Brainbench Python 2.4, 3.3, 3.4 (Master)
	▪ Brainbench Linux Administration (General)
	▪ 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
	▪ 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
	Please follow 14193415 certificate transcript
Education	• Ivan Franko National University of Lviv, International relations, Master's degree, Graduate 2010-2016
	• Softserve IT Academy, QA for cloud computing, Graduate 2016
Languages	English – Intermediate strong (B1+) Ukrainian – native