





Eugene Chekan

Software Engineer in Test

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PROFESSIONAL SUMMARY

Experienced Software Engineer in Test with 4+ years of expertise in test automation, embedded systems, and quality engineering. Passionate about building robust testing frameworks and automation solutions for complex IoT, healthcare, and telecommunications projects. Proven track record of implementing custom testing tools, enhancing CI/CD pipelines, and delivering high-quality software solutions across diverse technical domains. Self-motivated problem solver with strong analytical skills and a keen eye for detail.

EDUCATION

Bachelor of Science in Computer Science 2027
[European Humanitarian University](#)
Vilnius, Lithuania

LANGUAGES

English	B2+
Belarusian	Native
Russian	C2

EXPERIENCE

Software Test Automation Engineer

[EPAM Systems \(Cigna Corporation\)](#)

Feb 2024 - May 2025

Led end-to-end testing for Dedicated Medicare Operating Model (DMOM) migration across 5 value streams. Enhanced testing framework with custom Robot Framework libraries and automated complex enrollment scenarios.

[PostgreSQL](#) [Microsoft SQL Server](#) [AWS](#) [SQLAlchemy](#)
[Robot Framework](#) [Boto3](#) [Python](#) [REST API](#) [Playwright](#)

Software Test Automation Engineer

EPAM Systems (Verizon Communications)

May 2023 - Feb 2024

Developed test automation for Intelligent Lighting system for smart city infrastructure. Created automated test cases, maintained project backlog, and investigated field device issues with IoT devices.

Jenkins

Wireshark

qTest

Git

Linux

Docker

Pytest

Python

LWM2M

CoAP

Software Test Automation Engineer

EPAM Systems (Alert Innovation)

Jan 2022 - May 2023

Worked on Alphabot warehouse delivery robots project. Ported Python2 to Python3 wrappers, implemented custom client utilities for robot control, and developed test automation frameworks.

Azure Cosmos DB

Ubuntu

GitLab CI

TestRail

Python

RTOS

CAN

Linux

I2C/SMBus

UART

QNX

Software Test Automation Engineer

EPAM Systems (Verizon Communications)

Jun 2021 - Dec 2021

Performed functional testing for embedded lighting control devices and Quectel modem firmware. Contributed to test automation framework development using Pytest.

Redis

KISS Database

LWM2M

LTE

UART

GPS

Pytest

Student/Trainee

EPAM Systems (Liberty Global Services)

Mar 2021 - May 2021

Worked on Disaster Recovery design and implementation. Created AWS instances using Terraform and performed E2E testing of video streaming applications.

Python

Pytest

Testinfra

REST API

Terraform

AWS EC2

KEY PROJECTS

Python KISS DB Implementation

Created a Python implementation of KISS database system for embedded applications.

Python

Database Design

Embedded Systems

Robot Command & Control Utility

Implemented custom client utility for commanding and controlling warehouse delivery robots.

Python

Robotics

Network Protocols

Hawkbite Protocol Client

Developed custom client to support communication over Hawkbite protocol for IoT device management.

Python

IoT

Hawkbite

Device Management

Healthcare Robot Framework Library

Created custom Robot Framework library for healthcare enrollment management application testing.

Robot Framework

Python

Healthcare

Test Automation

TECHNICAL SKILLS

Programming Languages

Python

Java

Bash

Testing Frameworks & Tools

Pytest

Robot Framework

Selenium

Playwright

Python unittest

Testinfra

Databases & Data

PostgreSQL

SQLite

MongoDB

AWS DynamoDB

Azure Cosmos DB

SQLAlchemy

Cloud & DevOps

AWS

Docker

Jenkins

GitLab CI

Terraform

CI/CD

IoT & Embedded

Raspberry Pi

GPIO

I2C/SMBus

UART

CAN

Hardware Buses

Embedded Testing

Protocols & Networks

TCP

UDP

LWM2M

CoAP

REST API

HTTPS

Tools & Platforms

Git

GitHub

GitLab

Jira

Postman

Wireshark

qTest

TestRail

Operating Systems

Linux

Ubuntu

Windows

QNX

RTOS