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

Backend for 'idre.me' dream-analysis web app.

Developed a backend for 'idre.me' dream-analysis web app. The app allows users to analyze their dreams and get insights into their subconscious.

Python · FastAPI · MySQL · SQLite · SQLAlchemy · Alembic · Apache Web Server · LangChain

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

Hawkbit Protocol Client

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

Python · IoT · Hawkbit · Device Management

TECHNICAL SKILLS

Programming Languages

Python · Java · Bash

Testing Frameworks & Tools

Pytest · Robot Framework · Selenium · Playwright · Python unittest · Testinfra · qTest · TestRail

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 · LangChain

Operating Systems

Linux · Ubuntu · Windows · QNX · RTOS