Tomasz Dworowy

Email: dworowytomasz@gmail.com
Phone:
LinkedIn
Hackerrank
leetcode
Github

About me

Software tester, adherent of the context driven testing school. I have written automation using Cypress, Playwright and Selenium, I'm programming in Python, TypeScript and JaveScript and I'm currently learning Rust. Professionally I'm interested in DevOps, penetration testing and programming, personally in philosophy and history.

Personal projects

https://github.com/tdworowy/cellular_automata - examples of 1D and 2D cellular automata written in python, javascript and rust.
https://github.com/tdworowy/PerformancePlayground - a few examples of usage of different tools for performance testing.
https://github.com/tdworowy/chess - checkers with frontend implemented in vue.js, tested using playwright, backend in rust. I'm planning to add AI and latter turn it in full-fledged chess.
https://github.com/tdworowy/genetic_algorithms - a simple genetic algorithm implementation inspired by example from book Complexity: A Guided Tour by Melanie Mitchell. Written in python and rust.
https://github.com/tdworowy/DeepLearningStaff - attempt to create web frontend to keras. Written using react, flask. Tested using pytest (unit and api test) and behave with selenium (front end).

Experience

Company: B2BNetwork: April 2024 - Current
Position: Software Tester
Client: Xperi: April 2024 - Current
Project: Services responsible for logs gathering and firmware updates for Tivo OS - smart TV operating system.
Responsibilities:

- Testing
- Test automation (pytest)
- Maintaining jenkins pipelines

Tools used: Python, pytest, javascript, groovy

Company: FLYR Labs: June 2021 - January 2024
Position: Software Engineer in Test
Project: Cirrus Revenue Operating System - revenue management and forecasting system for airlines.
Responsibilities:

- Testing (WEB UI)

- E2E Test automation (Cypress)
- Data validation (Python)
- Conducting SEITs job interviews

Tools used: Python, pytest, Cypress, Playwright, sql, google bigquery, docker

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Company: Sii: June 2019 - June 2021
Position: Test Development Engineer
Client: Roche: December 2020 - June 2021
Project: Data pipeline - goal of project was to prepare data pipeline from salesforce to AWS S3 bucket and transformation of data to made it ready to use in ThoughtSpot.
Responsibilities:

- Testing (SQL)
- Test automation (Python)

Tools used: Python, SQL, AWS glue, AWS Athena.

Client: ING Tech Poland: May 2020 - September 2020
Project: Credit cards back-office application. **Responsibilities**:

- Test automation (Java)
- Testing (GUI, API and data base)

Tools used: Java, Oracle SQL Developer, Postman.

Client: Grand parade (William Hill): October 2019 to March 2020
Project: Data ingestion – goal of project was to prepare data pipeline from mssql, through S3 bucket, to Snowflake database. Pipeline was prepare using Airflow and NiFi.
Responsibilities:

- Test automation (Python and Pytest)
- Test case design
- Testing
- Development support

Tools used: Python, Pytest, Snowflake, Airflow, Nifi, SQL, Jira, Git, Docker

Client: ABB: July 2019 to September 2019
Project: ServIS 2.0 Proof of technology - goal of project was to test performance of mssql data base (and simple REST api) located in Azure cloud.
Responsibilities:

- REST api functional testing using Postman
- Data base performance testing using Jmeter
- REST api performance testing using Jmeter
- Preparation of reports using Power BI and Excel

Tools used: Jmeter, Power BI, Postman, Azure, SQL

Company: Rockwell Automation: September 2017 – April 2019
Position: Software Test Engineer
Project: Emulate - Industrial controller emulator, goal of project was to re-use part of industrial controller firmware to prepare emulator for windows 10. Product should be able to emulate multiple controllers as well as communication between them.
Responsibilities:

- Functional testing

- Test automation (Python)
- Development of Python API (via NATS) of emulated controller
- Python and C# unit tests
- Tech spikes and documentation
- Jenkins pipeline configuration and maintenance

Tools used: Python, C#, C++, Git, Docker, Jenkins, IBM RQM, google protobuf, NATS message broker.

Company: Alan Systems:December 2013 - September 2017
Position: Software Tester
Projects: ATMS Watch (12.2013 – 12.2014) - Web time tracking application use to track working time, including time shift, vacations, sick leave etc.
CREAM (12.2014 – 09.2017) - Customer relationship management web application use to create and coordinate marketing campaigns and to manage customers and products base.
Responsibilities:

- Functional exploratory testing
- Test automation written in Java using selenium webdriver and JUnit
- Automation of rest API tests written in Java
- Performance and load tests using Jmeter and Java framework

Tools used: Selenium webdriver, Jmeter, Docker, Jenkins, Git, Jira, TestLink, SQL.

Education

University of Economics in Katowice

- Time span: 2015 – 2018
- The Faculty: Informatics
- Level of education: master
- Specialization: Analysis of large data sets
- Master thesis topic: *Methods, techniques and tools for automated testing in the software development process*

University of Economics in Katowice

- Time span: 2010 – 2013
- The Faculty: Informatics
- level of education: bachelor
- Specialization: Databases and data warehouses
- Bachelor thesis topic: *Suggestions for the use of artificial neural networks in the classification of bonds*

Courses

- Ancient Philosophy: Aristotle and His Successors, Coursera, certificate: SJH4XTG8ZC89
- Introduction to Discrete Mathematics for Computer Science (specialization), Coursera, certificate: SB2ADSZH9GXJ
- Introduction to Complexity, Santa Fe Institute(complexityexplorer.org), certificate:226951170
- Data Science(specialization), Coursera, certificate: TDQ6CJ9NT7ZX
