

# EDDY CASTILLO

## Software Engineer

Chicago, Illinois | Remote

773-587-1999

[sudo.eddy@protonmail.com](mailto:sudo.eddy@protonmail.com)

### TECHNICAL SKILLS

Pandas   Jupyter	Python   Java   C++	Git   Github   Gitlab
Groovy   Jenkins   Linux	Airflow   s3   Docker	SQL   MongoDB
Cucumber   Selenium   Allure	Pytest-BDD   Behave   Playwright	JMeter   Postman   REST API
Jira   Confluence   Datadog	OOP   TDD   BDD	Node   React   JavaScript
Snowflake   Metabase   PostgreSQL	great_expectations   dbt	Black-box-testing   White-box-testing

### EXPERIENCE

#### Egen Solutions | Tempus Labs | Chicago

Software Engineer - Quality and automation | 12/22 - present

Software Engineer member of the Quality and Development Tools team at Tempus Labs, Inc. Contracting through Egen Solutions as part of a dedicated team of engineers with the goal to improve and maintain quality engineering.

##### Projects worth mentioning:

| Refactored and expanded automated release test cases, resulting in a significant improvement in release process efficiency and speed by over 50%.

##### • Results:

- Refactored Playwright automated test cases for the DNA Reporting Pipeline testing microservice, leading to a 50% speed improvement in pre-release testing and complete elimination of manual test execution.
- Improved existing automation test cases and automated over 70 complex manual pre-release end-to-end test cases.
- Created a Python CLI tool to streamline day-to-day tasks related to the Reporting Pipeline microservice, reducing manual user input by 95%.

#### Verusen | Supply Chain Intelligence | Atlanta/Remote

Software Development Engineer in Test - SDET | 08/21 - 09/22

Joined the QA team as an early member and made impactful contributions, leading to a promotion within 6 months for demonstrating excellent leadership and innovative technical skills.

##### Projects worth mentioning:

| Redesigned internal REST API and UI automated Python test frameworks using Pytest-BDD, Python test logic, and Selenium, replacing Behave BDD and Cypress.io

##### • Results:

- API automated test suite execution time reduced from 7 minutes to 1 minute 30 seconds.
- UI automated test suite execution time reduced from 30 minutes to 12 minutes.
- Implemented up to six parallel test runners.

| Implemented Pytest-BDD in the Jenkins CI/CD pipeline, resulting in a product release cadence shift from bi-weekly to weekly.

##### • Results:

- Increased logging, visibility and event traceability with logging tools like Datadog, and custom Python logic for customer-specific use cases.

| Spearheaded better data quality in the ETL pipeline with great\_expectations

##### • Results:

- Published an RFC about data quality for ETL, and implemented a data quality check in with raw customer data in the 'E' step of the ETL pipeline.
- Achieved remarkably fast data-quality analysis, capable of analyzing 15M+ data rows and providing visibility into customized data quality checks (e.g., null values, empty strings, single characters) within 15 minutes.

#### Project44 | Supply Chain transportation visibility | Chicago

Associate Software Development Engineer in Test SDET | 01/2020 - 06/2020

Joined Project44 as an intern and quickly demonstrated exceptional skills and contributions, leading to a promotion within less than 6 months.

##### Projects worth mentioning:

| Refactored Cucumber/Java test automation logic from the QA backlog

##### • Results:

- Improved and expanded API and UI Java testing frameworks.
- Reduced QA team tech-debt by 30%

| Implemented a robust REST API performance testing solution with Jmeter.

##### • Results:

- Retired in-house solution for API performance testing and implemented a market-available solution using JMeter.
- Identified bottlenecks and reduced performance suite execution from 1 hour to ~17 minutes.

Unfortunately, due to the COVID-19 pandemic and its impact on the company, my position at Project44 was terminated.

#### The Difference Engine | 1871 Tech Incubator | Chicago

Software Engineer - Volunteer | 04/2019 - 12/2019

##### Projects worth mentioning:

| Implemented application-wide responsiveness with React and react-bootstrap.

| Assisted senior developers with the development of the backend service using Python.

##### • Results:

- Promoted to teaching assistant role within three months of volunteering due to exceptional learning skills and prior knowledge.
- Collaborated with mentor engineers to create comprehensive training materials and conduct workshops.
- Conducted code reviews and provided constructive feedback to improve code quality.
- Delivered engaging tech talks on relevant software engineering topics to foster knowledge sharing among peers and students.

### EDUCATION

University of Illinois at Springfield

B.S. Computer Science | Cum Laude | 2021

