

# EDDY CASTILLO

## Software Engineer

Chicago, Illinois | Remote

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### 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

### EDUCATION

**University of Illinois at Springfield**

B.S. Computer Science | Cum Laude | 2021

### 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 which improved release process efficiency and speed by more than 50%

##### **Results:**

- Refactored Playwright automated test cases for the DNA Reporting Pipeline testing microservice, allowing for a 50% speed improvement in pre-release testing and completely eliminating manual test execution.
- Improved already established automation test cases.
- Automated a group of more than 70 complex manual pre-release end-to-end test cases.
- Created a CLI tool to aid in day to day tasks related to the Reporting Pipeline microservice, and reduced manual user input by 95%

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

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

Early member of the QA team, with the most responsibilities, and a record of impactful contributions. Promoted 6 months after hire date, in recognition 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 in replacement of 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.
- Up to six parallel test runners.

Implemented Pytest-BDD in the Jenkins CI/CD pipeline.

##### **Results:**

- Product release cadence promoted from bi-weekly release to weekly release.
- 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.
- Remarkably fast data-quality analysis with the capability to analyze 15M+ data rows and provide visibility into customized data quality checks i.e. null values, empty strings, single characters, etc.
- Execution times under 15 minutes

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

Software Development Engineer in Test SDET | 01/2020 - 04/2020

Described by fellow interns as a self-starter and the "go to" person. Established meaningful connections in my professional network, and became comfortable with the SDLC process.

##### **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.

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

Software Engineer - Apprentice | 04/2019 - 10/2019

##### **Projects worth mentioning:**

Implemented application-wide responsiveness with React and react-bootstrap

##### **Results:**

- Mobile and web friendly application wide-responsiveness with a custom React front-end.

