

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 - 06/2020

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 - Volunteer | 04/2019 - 12/2019

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.

