


EDDY CASTILLO

Software Engineer

 Chicago | Remote | Hybrid

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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 Robot	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

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 open source tools like great_expectations and Apache Airflow.

- **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 an automated solution using JMeter, Groovy scripting and Jenkins.
 - 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.



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