

# Damon Diaz

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## WORK EXPERIENCE

**Software Engineer** | Trade Data Monitor | *Daniel Island, SC* Sep 2021 — Present

- Designed and developed a scalable application serving 30+ legal professionals, streamlining the global trade data collection process and enhancing data accessibility. Using Python, Django, JavaScript, MS SQL Server, deployed on IIS Server.
- Reduced execution time of critical Python data collection scripts by over 80%, from 6 hours to 25 minutes, utilizing Selenium Grid in Docker and orchestrating workflows with Apache Airflow.
- Implemented Redis caching to optimize application performance, achieving reduced page load times by 15% and improved user experience.
- Architected a distributed system for concurrent data collection leveraging Selenium Grid and Selenium Nodes, increasing operational efficiency and robustness using Python, Selenium, SQL, and Apache Airflow.
- Delivered a comprehensive statistical data visualization dashboard using FastAPI(python) and React.js(javascript), streamlining data insights, enhancing user experience, and the ability to compare data metrics across different periods for actionable insights.
- Created a Control Panel for managing business user accounts, allowing user profile, permission, and settings management through a FastAPI(python) backend and React.js(javascript) interface.

**Software Engineer Intern** | LiveStock City | *Remote* Jul 2021 — Sep 2021

- Developed site functionality enhancements, debugged and troubleshoot using Python, Django, JavaScript.
- Implemented highly responsive form-based views and user interfaces, leveraging JavaScript to ensure seamless user interaction and an intuitive user experience.

**IT Technician** | TEK Systems | *Charleston, SC* Apr 2021 — Jul 2021

- Tasked with installing 6,500 Cisco VoIP phones across 91 school sites, performed installation, updating and tech support.

## PROJECTS

**WTI Advisors Portal** | *Python, Django, SQLServer, IIS Server*

- Collaborated with a team to develop and deploy a full-featured client website enhancing data accessibility for over 30+ end-users.

**SavviVerify** | *Golang, Docker* | <https://github.com/NoCapCbas/savviVerify.git>

- Developed open-source CLI tool service that verifies if an email address exists, built for small teams with a low budget. Plan to develop this into a microservice and deploy live.

**Package Delivering Pathing System** | *Python*

- Developed a package delivery mapping program using Python, finding the shortest path using the Nearest Neighbor algorithm.

**Inventory System Application** | *Java, JavaFX, MySQL*

- Built an inventory management system for a small manufacturing organization that has outgrown their current inventory system. Designed to meet specific business requirements and CRUD operations to significantly enhance operational efficiency.

## SKILLS

Python, JavaScript, TypeScript, SQL, Git, Bash, Docker, Django, NodeJS, React, Golang, Java, HTML5, CSS, Flask, Celery, Agile, CI/CD, Unit Testing, REST API, Full Stack, Frontend, Backend, C++, IaC, QA, Github Actions, Redis, Selenium, PlayWright, AWS, TDD, Microservices, gRPC

## EDUCATION

**Bachelor of Science, Computer Science**, Western Governors University  
formation.dev, SWE Mentorship

Graduated Dec 2022  
2024