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 enhanced data accessibility. Used 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%, improving user experience.
- Designed 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 timeframes 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 troubleshot 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

- Installed 6,500 Cisco VoIP phones across 91 school sites, including providing updates and tech support.

PROJECTS

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

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

webStash | `https://github.com/NoCapCbas/webstash.git` | https://webstash.damondiaz.xyz | *Python, AlpineJS, Docker*

- Bookmark your favorite sites. webStash is a simple tool to bookmark and organize your favorite websites. Used python, alpinejs, sqlite, and docker.

Math Assistant Chatbot | `https://github.com/NoCapCbas/math-chatbot.git` | https://math-chatbot.damondiaz.xyz | *Python*

- Developed a open-source 3rd grade math assistant chatbot that solves addition, subtraction, multiplication and division problems. Used python, streamlit, and docker.

Inventory System Application | *Java, JavaFX, MySQL*

- Built an inventory management system for a small manufacturing organization, 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   Graduated Dec 2022
formation.dev, SWE Mentorship   2024