

Riley Dorrington

Software Engineer | Full-Stack

New Port Richey, FL | (607) 744-2617 | rwdorrington@gmail.com | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

U.S. Citizen | Eligible to Obtain Security Clearance | Open to: Tampa Bay / Hybrid / Remote / Open to Relocation

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML, CSS, Java, C++, Bash, TypeScript, PHP

Frameworks & Libraries: Flask, Node.js, Bootstrap, React, Selenium, SQLAlchemy, Tailwind, Next.js

Tools & Platforms: Git, Docker, GitHub Actions, Linux, VS Code, MySQL, PostgreSQL, Azure

AI & APIs: OpenAI API, Anthropic API, Google Gemini API, LLM Agents, Prompt Engineering, REST APIs

Software Engineering: Object-Oriented Programming (OOP), Object-Oriented Design (OOD), Design Patterns, Data Structures & Algorithms, Multithreading, Unit Testing, Integration Testing, CI/CD, Agile/Scrum, SDLC, Software Architecture, RESTful API Design

PROJECTS

Job Board Aggregator - Production Data Pipeline & Web App | [Live Demo](#) | 2025 - Present | Python, JavaScript ES Modules, concurrent.futures, GitHub Actions, Docker, SQL, Bootstrap

- Architected and deployed a multithreaded data-ingestion pipeline using Python concurrent.futures, indexing 1,000,000+ active listings from 20,000+ companies across major ATS platforms.
- Designed chunked gzip data architecture (~25k jobs/chunk) with Web Worker-based decompression for progressive client-side loading and fast initial render.
- Built filtering engine with experience classification, regex search, URL state persistence, and localStorage.

AI Dev Orchestrator - FastAPI Code Quality Agent | [GitHub](#) | 2026 | Python, Anthropic/OpenAI APIs, pytest

- Leveraged Object-Oriented Design (OOD) principles and design patterns to build a provider-agnostic AI agent that audits FastAPI codebases, generates docstrings and pytest coverage, and fixes trivial bugs through a tool-use loop with confidence-gated mutations (less than \$0.20 per full pass).
- Designed AST-based scanner to ground the agent in real code structure, preventing hallucination; human-in-the-loop review surfaces low-confidence changes. Demonstrated on sample app: identified 4 of 5 planted bugs, wrote 17 passing unit tests.

Discord Media Aggregation Bot | Client Project | [GitHub](#) | 2024 - Present | Python, Selenium, yt-dlp, Azure, Docker

- Built and deployed a Discord bot for automating subreddit scraping and media delivery via yt-dlp, supporting downloads from arbitrary URLs across most major video/image hosts - reducing curation from hours to minutes.

GearScan - Vision Model Benchmarking App | [GitHub](#) | 2026 | React Native, Node.js, PostgreSQL, Google Gemini API

- Built golden-dataset eval harness benchmarking Gemini Flash vs Flash Lite across resolution and reasoning configs; selected model at 87.8% accuracy and \$0.0029 per request based on measured accuracy/cost tradeoffs.
- Designed a full-stack image-identification service utilizing Object-Oriented Programming (OOP) for tier-based model routing, Google OAuth + JWT auth, rate limiting, and Postgres-backed search history; integrated eBay pricing API for market valuation.

Provisio Hotel Booking Platform | [GitHub](#) | 2023 | PHP, JavaScript, SQL

- Designed and implemented full-stack hotel booking platform with secure reservation management; collaborated in multi-developer Agile/Scrum team with weekly sprints and daily stand-ups.

EXPERIENCE

United States Postal Service - Assistant Rural Carrier / Rural Carrier Associate | Nov 2024 - Mar 2026 (intermittent) | Binghamton, NY | Odessa, FL

- Delivered mail across assigned routes while maintaining accuracy, accountability, and adherence to schedules.

VOLUNTEER EXPERIENCE

Humane Society - Volunteer | Binghamton, NY | May 2023 - May 2025

- Provided animal care and facility support at local animal welfare nonprofit over two years.

EDUCATION

Georgia Institute of Technology: M.S. in Computer Science (OMSCS, Online) | Starting Fall 2026

Bellevue University: B.S. in Software Development | GPA: 4.00 | Sep 2023

Broome Community College: A.A.S. in Computer Information Systems | GPA: 3.62 | Aug 2021