

# Michael Felix Miele-Herndon

Software engineer in NYC. I build and run Discord bots and full-stack web apps, most notably CLYPPY, a video bot serving 1.7M embeds across 4.6k+ servers and 9.5k active users. Comfortable owning features from schema design through deployment. Stack: Python, FastAPI, Django, React, PostgreSQL.

[LinkedIn](#)  
[GitHub](#)  
[Portfolio](#)

## Full-Stack Software Engineer @An Abstract Level LLC

May 2025 - Present

Design and ship backend and frontend services across internal projects and NDA client engagements. Own data modeling and concurrency decisions on most assignments, from design to production and testing.

- An AI-powered SQL formula error diagnosis system for [EffortlessBases](#)
- A database-diff to migration pipeline, extending Stripe's [pg-schema-diff](#)
- String-to-tool resolution, npm-style per-project tool installation system, multi-platform installer executable builder scripts for the [SSoTme CLI](#)

Stack: Python, FastAPI, PostgreSQL, React, TypeScript, Javascript, C#, Go

New York, NY

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**B.S. Computer Science**  
**University of Rhode Island**  
**2020-2024**

## SKILLS

### Languages:

Python, JavaScript/TypeScript, C++, C#, Bash, Go

### Backend:

Django, FastAPI, async/await, REST APIs, SQLAlchemy, Alembic, asyncpg

### Frontend:

React, HTML, CSS, Tailwind

### Databases & Infrastructure:

PostgreSQL, Redis, Docker, Kubernetes, nginx, systemd, cron, Linux

### Tools & Practices:

Git, CI/CD, agentic development workflows, system design, production monitoring

## SPOKEN LANGUAGES

English (Native)  
Spanish (Intermediate)

## Founder & Software Engineer @FELIXCREATIONS LLC

Jan 2023 - Present

Solo practice combining client work with my own products. This includes design, coding, deployment, and handling support when things break.

### Products:

- **CLYPPY (2023)** [🔗](#) Discord video bot. Python, Django, PostgreSQL, DigitalOcean Spaces CDN, Discord client.
- **InsightBot (2026)** [🔗](#) Discord server analytics with rule-based AI digest engine via snippet selection. Python, FastAPI, PostgreSQL, React.
- **Marginalia (2026)** [🔗](#) Social book tracking for Discord, with Hardcover API sync. Python, FastAPI, PostgreSQL, React.

### Selected client work:

- **sparklebooks.store (2025)** [🔗](#) Django site with Stripe storefront, event/class calendar, registration system, and Bookshop.org/Anthology integration for an independent NY bookstore.
- **cabinfeverband.com (2025)** [🔗](#) Django site with user accounts, merch shop, and custom admin panel for an indie rock band.
- **trioluna.com (2024)** [🔗](#) Django site for a Costa Rica-based Latin folk trio.

Stack: Python, Django, FastAPI, PostgreSQL, React, Javascript

## Software Development & Automation Intern @Ei3

April 2020 - August 2022

Developed Python test automation for Ei3's Amphion, an industrial edge device based on the Raspberry Pi that runs Linux and is deployed on manufacturing equipment for data collection and real-time alerts. Wrote autonomous test scripts that verified online data collection worked, and that offline data was cached locally and uploaded on reconnect.

