

Jeremy Brown

Full Stack Python Developer | Web Apps, Dashboards, and Automation

Email: JeremyB.pydev@gmail.com | **GitHub:** github.com/JeremyB-py

Portfolio: www.jeremyb.dev

Location: St. Louis, MO (Open to remote)

Summary

Full stack Python developer building web applications, dashboards, and automation tools. Strong with Streamlit admin UIs, FastAPI services, SQLAlchemy data layers, and modular monorepo architectures that support multiple apps with shared logic. Comfortable using modern tooling (including AI-assisted workflows) to iterate quickly while maintaining clear ownership and code quality. As a small personal project, I experiment with AI system design and safety through my Continuous Learning AI Prototype (CLAIP) project. Background includes 9 years in logistics, providing strong foundations in reliability, efficiency, and structured problem solving. I am constantly learning by shipping production-style projects.

Technical Skills

Languages & Frameworks: Python, FastAPI, Streamlit, HTML, CSS, JavaScript

Backend & Data: SQLAlchemy, SQL, PostgreSQL/SQLite, Pydantic validation, REST APIs

Tools & Platform: Git, Github Actions (CI), Railway, Cloudflare Pages, VS Code, Ubuntu

Specialties: Full Stack App Development, Modular Architecture, Admin Dashboards, Automation

Projects

Wrinkle Witch Platform (Website, API, Booking, CRM, Scheduled Jobs, and Admin Tools)

Python, FastAPI, Streamlit, HTML/CSS/JS, SQLAlchemy, Railway/Cloudflare

- Built full stack platform for a local esthetician: static site, FastAPI backend, Streamlit admin apps, and scheduled jobs (credit expiration, quarterly reset/prizes, appointment sync) with job dashboard.
- Implemented APIs for referrals, unsubscribe, specials/packages, and Square Bookings (multi-step booking, card-on-file via Web Payments SDK); Pydantic validation, CORS, rate limiting, clear errors.
- Designed shared monorepo modules (auth w/ bcrypt + roles, reusable utilities, Square OAuth adapter), cache-friendly responses (Etag/304), and security/SEO (sitemap, dotfile protection, log rotation).

Agricultural Forecasting Dashboard

Python, Pandas, Statsmodels, Scikit-learn

- Created an interactive forecasting dashboard for exploring crop yield trends and model behavior.
- Implemented modular preprocessing, regression, and ARIMA based forecasting components.

Non Profit Power BI Dashboard

Power BI

- Delivered a multi-page dashboard to visualize key metrics for a community nonprofit.
- Modeled and cleaned source data to produce clear, filterable views for stakeholders.

Experience

Full Stack Developer, Freelance | 2025-Present

- Design and develop full stack applications with web UIs, backend services, and automation.
- Built the Wrinkle Witch platform combining website, API, and admin tooling into a cohesive system.
- Developed dashboards and analytics tools for forecasting and nonprofit reporting.

City Letter Carrier, United States Postal Service (USPS) | 2016-2025

- Managed high volume delivery routes with accuracy, consistency, and independent problem solving.

Education

St. Louis Community College - Coursework in General Studies, 2013-2014

High School Diploma, 2013