

Joshua Hayes

Full-stack Developer | Python/Django, React, PostgreSQL

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Full-stack developer in Python/Django, React, JavaScript, and TypeScript on PostgreSQL and AWS. Lead developer of RE/AMP, a production multi-tenant SaaS, across frontend, backend, data, and cloud infrastructure. Turns ambiguous requirements into plans, data models, and tests, and ships features through staging. Test-first, reviews every change before commit.

Skills

- **Languages & Core Logic:** Python, JavaScript, TypeScript, SQL, Go, REST APIs, Git, Automated testing / CI
- **Frontend & Design:** React, TanStack, HTML, CSS, Tailwind CSS, HTMX
- **Backend, Clouds & Servers:** Django, Node.js / Express, AWS (EC2, S3, VPC), Docker, Nginx, Linux
- **Databases & Monitoring:** PostgreSQL, MySQL, Valkey, Prometheus, Grafana, PostHog
- **Integrations & Data Pipelines:** Stripe webhooks, Twilio, ETL pipelines, Playwright, Selenium, Google Apps Script

Work Experience

Lead Developer (Mar. 2024 - Present)

RE/AMP (real estate transaction and investor operations SaaS) - Fort Worth, TX

- Started the RE/AMP codebase in March 2024 and lead its development: 2,500+ of its 5,000+ commits, in a 180,000+ line React, Node/Express, and SQL codebase.
- Own architecture and delivery: turn business requirements into database and infrastructure design, break projects into technical tasks, and manage sprints.
- Build React features and Node/Express REST APIs on PostgreSQL, with custom email infrastructure and worker queues, Stripe webhooks, and Twilio SMS using each company's own API key.
- Built AWS staging and production environments with private S3 document storage using pre-signed URLs; releases are tested against staging restored from the latest production backup.
- Run Prometheus, Grafana, and PostHog monitoring with automated error-threshold alerts. Resolved Prometheus high-cardinality and Nginx performance issues, and optimized client-side image processing to publish 70+ photos in under 2 minutes.
- Stack: PostgreSQL, Valkey, React, TanStack, Docker, AWS, Nginx. Built the custom WordPress theme for the marketing site (reamp.co).

Full-Stack Developer (Mar. 2023 - Mar. 2024)

Aquifer Investments - Fort Worth, TX

- Built a Django website with city and county pages and JSON-LD markup for search reach, and a Google Data Studio KPI tracker fed by Google Apps Script that normalized caller data into metrics.
- Built a phone scrubber on the Trestle API: upload a CSV, fan in to a rate-limited queue, export a cleaned CSV. (Python, Django, MySQL, HTMX)
- Developed and maintained a multi-threaded data collection scraper that gathered public records to inform business decisions. (Python, Selenium, Playwright, Node.js)

Web Developer | SEO & PPC Specialist (Nov. 2014 - Present)

World Car Auto Group (auto dealership group) - San Antonio, TX (functional title, no formal titles). Part-time since 2023: Google search campaign management.

- Built a Go ETL pipeline and API that syncs vehicle inventory to Google and Facebook ad platforms, still used for inventory marketing. (Go, MySQL)
- Built a vehicle page script that matched on-page pricing and legal disclaimers to each ad's offer via a URL parameter, and a market-pulse scraper tracking competing inventory and price deltas. (JavaScript, Python, Selenium)
- Ran SEO for 13 dealerships: city-based strategy, custom pages with structured URL naming for Google Search Console and GA4 tracking, and maintenance and reporting automated in Google Apps Script.
- Managed Google and Bing ad accounts with \$10K - \$40K monthly budgets across all 13 stores, with bi-weekly CPL and conversion reports and Google Ads scripts that enforced budgets and cleaned up search terms.

Projects

Most projects are on my self-hosted Forgejo instance, <https://git.turngear.dev/explore/repos>

- **Brazen** (<https://git.turngear.dev/josh/brazen>) | Django user-management portal with email invites, password reset, and user, manager and admin roles enforced on the backend; security-reviewed, 27 tests
- **Casey The Home Buyer** (<https://caseytheshomebuyer.com>) | Django site with state, county, and city landing pages; per-city titles, descriptions, canonical URLs, and schema.org JSON-LD
- **World Car Careers** (<https://jobs.worldcarautos.com>) | Job listings for the dealership group with city-targeted pages and schema.org JobPosting markup; averages about 460 users per month over 9 months, with 451 unique users submitting applications per GA4 (SvelteKit, Directus, MySQL)
- **Botprofiles CS:S** (<https://git.turngear.dev/josh/botprofiles-cs-source>) | Go CLI that generates Counter-Strike: Source bot profiles from JSON config and CSV lists; seeded and reproducible, 65 tests, CI

Certifications

- Google Analytics Certification (valid Oct. 2026 - Oct. 2027)
- Google Ads Search Certification (valid Oct. 2026 - Oct. 2027)