

CHARLES ARLANDSON

Full-Stack Software Developer

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SUMMARY

Full-stack developer who designs, ships, and operates production web applications in Python/Django and JavaScript/TypeScript. Built and run three live products end to end, with Stripe billing, AI-powered features, CI-gated test suites, and production monitoring. Brings 15 years of management experience: ownership, clear communication, and steady delivery.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, SQL, HTML/CSS, Kotlin, Java

Frameworks: Django, Django REST Framework, React, React Native (Expo), Tailwind CSS, jQuery, Astro

Data & Infrastructure: PostgreSQL, Redis, Docker, AWS S3, Render, Railway, Vercel, Cloudflare, CI/CD pipelines

Testing & Operations: pytest, Jest, Locust load testing, Semgrep, Sentry, structured logging, Slack alerting

APIs & Integrations: REST API design, Stripe (Checkout, Connect), Anthropic and OpenAI APIs, Web Push, OAuth sign-in

AI-Assisted Development: Claude Code, Cursor, agent rules files and living project docs, diff-based review behind strict CI gates

PROJECTS

Patrons Love — SaaS storefront platform for local businesses (patrons.love) 2023 – Present

Python, Django, PostgreSQL, Redis, Tailwind CSS, Stripe, AWS S3, Render

- Designed and built a multi-tenant platform where owners assemble a public site from menu, product, service, gallery, and event pages in visual editors, with no code; customers browse a discovery feed, search, and compare.
- Integrated Stripe subscription billing, Stripe Connect direct charges to businesses, and merch checkout with Printful fulfillment, plus patron rewards, gift cards, and a public REST API.
- Set up CI gating on pytest and Jest suites, linting, migration and deploy checks, and security scanners; added Locust load testing.

DailyRite — personalized AI daily briefing, web app and PWA (dailyrite.org) 2026 – Present

Python, Django REST Framework, PostgreSQL, Redis, Anthropic API, Stripe, Railway

- Built a scheduled pipeline that searches several news providers, summarizes with pluggable AI backends, and delivers briefings by web, email, and push notification.
- Maintain roughly 1,350 automated tests with a CI coverage gate, plus an evaluation harness that scores AI output against quality thresholds before any prompt change ships; added per-prompt cost telemetry, structured logging, and Sentry.
- Implemented Google and email sign-in, Stripe subscriptions, an offline-capable PWA, and a browser new-tab extension.

DeckPub — multi-game card database and deckbuilder (deckpub.org) 2022 – Present

Python, Django, PostgreSQL, JavaScript (ES modules), Scryfall API

- Generalized a single-game deckbuilder into a configuration-driven engine: each game's rules, zones, formats, and filters live in one config module, so adding a game rarely touches core code.
- Built a JSON API for card search and deck save, validation, and search; format legality is enforced on save in a transaction that rolls back on any illegal card. Frontend is framework-free JavaScript modules with per-game plugins.

EXPERIENCE

Independent Software Developer — Self-employed, Cottage Grove, MN Oct 2024 – Present

- Build and operate the three production apps above using AI-assisted workflows held to diff review and strict CI.

Software Developer, AI Training — DataAnnotation, St. Paul, MN Oct 2023 – Oct 2024

- Evaluated AI-generated Python, JavaScript, and SQL for correctness and performance, with written technical justifications.
- Authored programming problems, reference solutions, and explanations used to train and benchmark a coding assistant.

Senior Talent Acquisition Advisor — UnitedHealth Group, Cottage Grove, MN Jan 2023 – Jun 2023

- Processed offers and pre-employment steps; wrote troubleshooting guides for HRIS issues.

Manager — Broadway Bar and Grill, St. Paul Park, MN 2007 – 2023

- Ran a high-volume restaurant for 15 years (scheduling, menus, cost control); built its website and social media presence.

Front-End Developer (Volunteer) — Star Wars CCG Players Committee Oct 2022 – Present

- Maintain and extend a legacy community platform's front end (JavaScript, jQuery) with a volunteer developer team.

EDUCATION & CERTIFICATIONS

B.A., Music Composition — University of North Dakota, Grand Forks, ND 2013

Full Stack Web Development with Python & Django — New Horizons Dec 2023

HarvardX CS50x (Computer Science) and **CS50W** (Web Programming with Python and JavaScript) Oct 2022