

PAXTON RAITHEL

Applied AI Developer | Local-First Agents | Safe Automation

Gillette, WY | pb8trade@gmail.com | [LinkedIn](#) | [GitHub](#)

PROFESSIONAL SUMMARY

Applied-AI developer building local-first agents, voice interfaces, explainable context systems, and safe desktop automation across Python, Swift, and JavaScript. Experienced converting real product failures into privacy boundaries, evaluation protocols, regression tests, and dependable user workflows.

CORE SKILLS

Languages & data: Python, Swift, JavaScript, SQL, SQLite FTS5, Supabase/Postgres

AI & platform: LLM and agent orchestration, prompt systems, speech recognition, MLX, Core ML, App Intents, ScreenCaptureKit, macOS APIs

Quality & safety: automated testing, failure analysis, source grounding, privacy engineering, confirmation gates, human-in-the-loop controls

EXPERIENCE

PB Builds — Independent Applied AI Developer | 2026–Present

Gillette, Wyoming | Independent project work

- Own requirements, scope, risk boundaries, acceptance criteria, testing, release notes, and user-facing documentation for two independently built products.
- Turn failures in audio, permissions, screen capture, app routing, offline sync, and privacy boundaries into reproducible reports, safe workarounds, regression tests, and verified fixes.
- Use AI development tools as implementation collaborators while retaining responsibility for architecture, data handling, quality assurance, and final acceptance.

SELECTED PROJECTS

Jarvis for macOS — Local-First AI Agent | 2026–Present

github.com/PB-Builds-creator/Jarvis-For-Mac | *Swift, Python, MLX, Core ML*

- Built and published a local-first macOS agent with approximately 23,000 lines of Swift and Python implementation across native voice, screen context, model routing, structured memory, and desktop automation.
- Designed confirmation-gated actions with plan previews, risk tiers, preconditions, postconditions, bounded retries, verification receipts, undo proposals, and an emergency stop.
- Converted noisy-room speech, microphone routing, owner-voice matching, Screen Recording, named-window capture, Siri handoff, and desktop-routing failures into documented safeguards and a 186-test verification suite.

Treadway — Explainable AI-Ready Planning PWA | 2026–Present

github.com/PB-Builds-creator/Treadway | *JavaScript, Supabase/Postgres, Swift*

- Built and deployed an access-gated, installable PWA with Supabase authentication, owner-scoped Row Level Security, cross-device sync, an account-scoped local cache, queued offline writes, and scheduled web push.
- Designed a deterministic seven-day analysis layer that exposes evidence and confidence, excludes private reflection text by default, and requires a reviewed, user-initiated handoff instead of automatic transmission.
- Verified the current web path with privacy, grounding, determinism, and edge-case evaluation; also passed 62 Swift unit tests and a 57-check core verification harness.

EDUCATION

Gillette College — Associate Degree, Finance/Technology | May 2026

Cumulative GPA: 3.6