

Griffin Hale Jack

Forward Deployed Engineer

Integrate legacy and third-party systems on site, build the tooling that makes the next run repeatable, and stay through rollout and support.

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EXPERIENCE

Founder · KnownBetter Studios, LLC 2026 – Present · Portland, OR

- Develop games and software with user experience and reliability guiding product design and architecture.
- Study past and competing architectures, including where they fall short. Experiment within domain constraints to balance performance, simplicity and user control. Document decisions and verification limits; use CI to catch generated-code drift.

Freelance Software Developer · Silicon Forest Solutions LLC Aug 2026 – Present · Portland, OR

- Built a FastAPI/PostgreSQL system to assess opening a practice, integrating Meta, Google Ads, Microsoft Advertising and Search Console with replayable adapters and PDF reports explaining platform limitations.
- Built a Django drum-studio scheduler with database-enforced double-booking prevention and a ledger tracing every lesson owed.

Embedded Systems / Ultrasound Repair Technician · Sonovision Jan 2025 – Aug 2026 · Portland, OR

- Diagnosed mechanical, electrical and software faults across 60+ ultrasound machine models. Flashed locked-down boards and recovered hardware beyond standard repair procedures.
- Automated expert-only hardware recovery in Python and Rust, making procedures repeatable and verifiable.
- Built nightly SQL ingestion for 30,000+ assets, order-entry browser tools and a Dockerized label service used daily by 12 staff; led rollout and support.

Food Service and Hospitality 2016 – 2023 · Portland, OR

- Alongside food service, briefly ran a recording studio across two spaces before returning to school, working with local youth music organizations to provide free or low-cost recording and audio engineering.

SELECTED PROJECTS

griffinhale.com/projects

Repair Shop Automation & Label Printing JavaScript · Python/Flask · Docker

- Built the missing layer over a repair shop's API-less inventory, email and photo systems: bookmarklets, a Manifest V3 extension and a proxy/data backend. Used shop-wide daily for six weeks, until the vendor shipped the same features.
- Ran rollout, documentation and support, with a build/live-mirror flow so non-developers could safely edit the deployed copy.

Parts Intelligence Python · SQL · Vision LLM

- Reverse-engineered a legacy inventory app into nightly SQL ingestion over 30,000+ assets, reconciled two internal ID systems and scored every fact by source.
- Shipped a vision-LLM identifier that names a part from a photo of its label.

Positioning Lab Python · FastAPI · PostgreSQL

- Client engagement, concluded Aug 2026: integrated Meta Marketing, Microsoft Advertising, Google Ads and Search Console behind one adapter contract with recorded replay. Took the Meta reach lane from first contact to live in 202 markets in 12 days; wrote the credential runbook the client operates from.

Agent Observability github.com/Griffinhale/agent-observability Go · SQLite · MIT

- Normalized six incompatible coding-agent log formats into one queryable SQLite schema for failure, token and workflow analysis.

SKILLS

Integration	API-less and legacy systems · Meta, Google and Microsoft APIs · browser extensions · proxy/data layers · ID reconciliation
Languages	Python · TypeScript/JavaScript · Go · C# · Rust · SQL
Data	ingestion pipelines · recorded-fixture replay · provenance and confidence scoring · vision-LLM extraction
Delivery	Docker · Dokku · Linux · GitHub Actions · Google Cloud OAuth · runbooks · rollout and training · support after handoff
AI tooling	MCP servers · agent orchestration and observability

EDUCATION

Associate of Arts · Portland Community College 2023 – 2024 · Portland, OR

GIS Certificate · Portland Community College In progress · Portland, OR