Justin Ledvina

New Bedford, MA (remote) · 774-929-0100 · justinlukeledvina@gmail.com · jledvina.com · linkedin.com/in/justinledvina

AI Integration Engineer · Agent workflows, system integrations, human-in-the-loop

I connect AI agents to real systems and make them safe to run in production. In 2026 I shipped four agent integration tools (MCP servers, a CLI and desktop apps) whose core design is human-in-the-loop: agents act, and a person approves anything risky, with every change logged and reversible. I also built a sports data platform in Python and PHP that runs itself through scheduled pipelines. Before that, I spent twenty years founding and running SaaS and ecommerce companies, so I'm at home in front of customers, turning business goals into working systems.

SKILLS

- **SQL and data:** 10+ years of SQL (MySQL/MariaDB): schema design, large data loads, precomputed rankings, safe migrations and parity checks; built OwlSQL, a database tool for AI agents
- **Languages:** Python, TypeScript/Node.js, PHP 8, JavaScript
- **AI and agents:** LLM agent integrations, Model Context Protocol (MCP) servers and tools, Claude Code plugins and hooks, Cursor and Codex integrations, human-in-the-loop approval flows, audit and undo for agent actions
- **Integration and data:** REST APIs (consuming and publishing, OpenAPI 3.1), ETL and data pipelines, scheduled and idempotent jobs, MySQL/MariaDB, SFTP/SSH
- **Hardware:** home servers, Raspberry Pi, ESP32 and microcontroller projects
- **Customer-facing:** 20 years of customer discovery, product launches, pricing, onboarding and support across a SaaS network of nearly 1 million members

SELECTED PROJECTS

League Leaders — self-running sports data platform leagueleaders.com · 2026

Python, PHP 8, MySQL, scheduled workflows

- **Data pipeline:** Python harvesters integrate six external APIs and data sources (MLB, NHL, NBA and WNBA stats APIs, Lahman/SABR, nflverse) into one 40-table MySQL database with over 500,000 player-season rows and precomputed leaderboards.
- **Production jobs:** nightly cron jobs keep all five leagues current. When the host blocked Python, I ported the pipeline to PHP and validated it as byte-identical (147 columns × 37,270 rows) before cutover. Every job is idempotent and safe to re-run.
- **Workflow orchestration with a human in the loop:** a pipeline plans topics, renders five short videos nightly, runs automated quality checks, holds them for human review, then publishes to YouTube, Facebook and Instagram on a five-slot daily schedule, with failed items automatically replaced by a spare.
- **AI agent workflow:** an agent finds, checks, crops and installs licensed player photos, with Python tooling handling the mechanical steps so every result is recorded the same way.
- **Public API:** six keyless JSON endpoints (OpenAPI 3.1, rate-limited), plus llms.txt and verified AI-crawler logging.

Agent integration tools 2026

TypeScript, Node.js, Electron, MCP. Each ships as an MCP server, a CLI and a desktop app, and works with Claude Code, Cursor and Codex.

- **OwlSQL** (owlsql.com): lets agents work on live MySQL databases safely. Reads are read-only by default, every write is snapshotted (including foreign-key cascades) and can be undone with conflict detection, risky statements need human approval, and every action goes to an audit log.
- **coolFTP** (coolftp.com): agent-driven deploys to SFTP/FTP servers. It uploads only changed files (tracked by SHA-256 manifest), can undo or roll back any deploy, verifies the site is live afterward, and waits for a person's approval in the desktop app before deleting anything. Open source (MIT) at github.com/anivdel/coolFTP and published on npm.
- **woodpeckerDig** (woodpeckerdig.com): captures crashes, stack traces and browser errors from running programs in 12+ ecosystems (including Python) and hands them to the agent as grouped issues.
- **magpieSnap** (magpiesnap.com): one keypress sends a screenshot, a note and window context into the agent's session.

Token Board ABA — iOS app tokenboard.app

- A classroom behavior-support app with 13,000+ downloads, used in 28 institutions. It works fully offline, with no accounts and no data collection. Built in React Native, Expo and TypeScript.

EXPERIENCE

Founder & Software Engineer, League Leaders Jul 2026 – present

- Design, build, ship and support the products above end to end, solo.

Founder & Operator, NutriGrove 2018 – 2026

- Built a supplement brand on Shopify and scaled it to Amazon, Walmart and Target: 80,000+ customers, with an $11 customer acquisition cost against a $178 customer lifetime value.
- Ran it with no technical staff: built custom Shopify apps that automated operations alongside our 3PL at thousands of orders a day, plus an AI content engine ranking for hundreds to thousands of keywords and AI support chat.
- Set up the store architecture, subscription and upsell funnels, and automated email lifecycle workflows.

CEO & Product Builder, TimTech LLC 2011 – 2017

- Built and ran a suite of SaaS tools for marketers with nearly 1 million members: RocketResponder (an email service provider with behavior-based list automation and follow-up series), Trck.me (affiliate campaign analytics), LeadPage (lead-capture pages feeding RocketResponder lists) and AdKreator (ad design for Google, Facebook and traffic exchanges).
- Worked hands-on with lean development, design and support teams on roadmaps, launches, integrations between products, and customer retention.

Earlier: Founder of AdKreator, a SaaS creative tool that grew to 22,500 paying members before TimTech acquired it into its suite of tools.

EDUCATION

B.S., Leadership & Management, University of Maine at Presque Isle
A.S., Computer-Aided Drafting & Design, ITT Technical Institute