

JAY CHAK

Quality Assurance Engineer (Amazon) • Founder — Elyxis, I'm Okay & LeadShala • Builder of GlassBox & Patchbay

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PROFESSIONAL SUMMARY

Quality Assurance Engineer with **4.5+ years at Amazon** (Appstore & Fire TV) across functional, policy and competitive-parity testing, platform-integrity enforcement, and QA automation — **350+ CX disparities and 60+ P0 defects** logged across five competitor-benchmarking cycles. In parallel, a founder who ships: built **Elyxis**, an AI-designed n-of-1 experimentation platform, solo end-to-end with Claude Code (React Native, Supabase, Python Bayesian service on Railway, ~1,800 automated tests), and **I'm Okay**, a family safety check-in app for Android & iOS in **40 languages** — in final build, and **GlassBox**, a live transparent AI browser agent (Playwright + LLM plan/act loop, WebSocket step-streaming) built and deployed solo in a single day. 6 years of founder-led growth marketing (Google & Meta Ads). **AI-native by conviction: for the past ~1.5 years everything I've shipped has had AI agents in the loop** — Claude Code, Antigravity and Kiro across five products built end to end — and I'm looking for teams that build the same way.

EXPERIENCE

Quality Assurance Engineer (QAE) — Amazon, Appstore & Fire TV

Feb 2022 – Present

Bengaluru, India • App quality, policy compliance, competitive benchmarking & platform integrity

- Benchmarked **75+ top streaming apps** on Fire TV against Apple TV, Google TV and Roku across **five quarterly parity cycles**, logging **350+ customer-experience disparities (60+ P0)** in JIRA with the platform team — including a back-button UX study of 20 P0 apps that exposed exits taking up to 12 clicks.
- Audited **200+ app policy decisions** for the team's Center-of-Excellence audit function, surfacing **50+ tester mismatches** and coaching peers on recurring error patterns.
- Owned daily quality monitoring for **300+ live news channels** on Fire TV's news platform — playback failures, ingestion SLAs, stale-content thresholds — and cut false-positive tickets by tuning trailing configurations while keeping every escalation within SLA.
- Devised an **APK pre-testing mechanism and SOP** validating Google Play apps' Fire TV compatibility ahead of onboarding — accelerating catalog-gap closure inside a selection program credited with **\$2M+ revenue impact**.
- Uncovered a **paid-app scam pattern** among YouTube channel-creator apps, triggering verification of every paid CC app; contributed to platform-integrity enforcement that disabled **4,000+ fraudulent vendor accounts** and suppressed **16,000+ non-compliant apps**, including 1,263 illegal IPTV streams.
- Contributed to the team's QA automation drive — **Maestro UI automation** across the top-40 catalog apps, an automated results pipeline covering **500+ apps (~85% manual-effort reduction)**, and review-processing automation cutting per-app handling from **10–15 minutes to 6.3 seconds** — and supported SDK compatibility analysis across the top-200 app list.
- Resolved **100+ third-party developer cases** end-to-end in Amazon's partner CRM; built **7+ operational SOPs** (including their HTML backends), the team newsletter, and training visuals that reduced decision mismatches across the team.
- Sustained **100% quality scores**, surpassing team averages for consecutive months; earned multiple **Spot Awards and Jedi Ranger Awards**.

Founder & CEO — LeadShala Digital Media

Aug 2020 – Present

Indore, India • MSME-registered performance-marketing company; now the parent company of Elyxis and I'm Okay

- Founded and ran a performance-marketing business end-to-end for **6+ years** — niche selection, cold outreach, offer design, custom landing pages, and **Google & Meta ad campaigns** — for local service businesses across India, the US, UK and Australia.
- Sold with a 30-day money-back guarantee and ran every function solo: prospecting, copywriting, creative, media buying and reporting — earning client recommendations for communication and problem-solving.
- Built a **28,000+ follower** LinkedIn audience; Meta Blueprint and Google Ads certified.

FOUNDER PRODUCTS

GlassBox — transparent, steerable AI browser agent (github.com/jchak7/glassbox) Aug 2026 • live

- Built and deployed an **autonomous browser agent** that takes a plain-English goal and executes it in a real browser — an LLM plans and re-plans each step against live page state rather than replaying a hardcoded script. **Concept to public deployment in a single working day, solo.**
- Transparency and human control were the design thesis:** reasoning, the chosen action and a live page screenshot stream to the UI over **WebSocket** as each step occurs, and the operator can stop, approve a step, or take over mid-run. A timeline rail marks every step green (landed), red (failed) or **blue (human intervened)**, so a non-technical user can follow and steer the run.
- Stack: **Playwright** driving headless Chromium server-side, **Python + FastAPI** running the plan/act loop, **WebSocket** step-streaming, Claude API as the reasoning layer, deployed on **Railway** with a backend version marker so deploys are confirmed rather than inferred from a cacheable surface.
- Quality: three working task presets (invoice extraction **verified 14/14 rows across two end-to-end runs**), **no silent failures** — every stall is diagnosed and reported in plain language; a **runnable adversarial suite led by prompt-injection tests** (the failure mode specific to browser agents) ships in the repo, alongside a published LIMITATIONS document and an engineering journal. Live at glassbox-production-d5f7.up.railway.app.

Patchbay — visual pipeline builder / node-graph editor (github.com/jchak7/patchbay) Aug 2026 • live

- Drag-and-drop node-graph editor for LLM workflows, built on a **data-driven node abstraction** — each node type is one declarative object rendered by a shared factory (adding a type is ~8 lines, not a component). **React / ReactFlow / Zustand;**

Python + FastAPI backend validates the graph is a **DAG (Kahn's algorithm)** before it runs; dynamic {{variable}} → input-port binding; token-based dark design, no UI library.

Postmark — evidence layer for a job search (local-first, zero dependencies)

Aug 2026 · v0.5

- Turns employer confirmation emails into receipts carrying the employer's own timestamp — the only externally attested date in the pipeline — with an append-only status ledger and BM25 recall over past answers. 192 automated tests, zero runtime dependencies, binds 127.0.0.1 only.

Elyxis — “A/B testing for humans” (elyxis.app)

Feb 2026 – Present

- Building an **n-of-1 self-experimentation platform**: AI designs a rigorous protocol for one change at a time (counterbalanced on/off schedules, duration brackets from 10 to 400 days), the user logs a 5-second daily rating, wearables sync as covariates, and a **Bayesian engine returns an honest verdict** — including “no clear effect” when that is the truth.
- Built the entire stack **solo with Claude Code** as AI pair-programmer: React Native + Expo app, Next.js marketing site + operator dashboard, Supabase (EU) Postgres with row-level security + Deno edge functions, stateless Python FastAPI Bayesian statistics service (Railway), Claude-API protocol designer behind safety & banned-claims guards, and Paddle billing.
- Shipped **~1,800 automated tests** (incl. 13 property-based invariants run at 100+ random iterations), **six OWASP-based red-team passes and six ecosystem audits** — the live Paddle payment path closed its final audit with zero criticals; GDPR-grade export/deletion with de-identified, zero-retention statistics. Computed the platform's **first live Bayesian verdict on production data** in July 2026 (99% likely helped, +3.2 points over 12 valid days). Applied to **Y Combinator (Fall 2026)**.
- One-month build telemetry (YC Paxel): **388,577 lines across 604 commits**, 147 sessions, 184 hours — profiled as an “architect-controller” who converts AI output into bounded, verified engineering work.
- **Live demo**: Android build at github.com/jchak7/elyxis-download · demo login: yc-demo@elyxis.app / Test@7024# · 16-phase roadmap at elyxis.app/vision.

I'm Okay — family safety check-ins (imokay.in)

Jan 2026 – Present · final build, Android & iOS

- Designed and built a safety check-in app for families in **~6 months alongside a full-time job**, in **40 languages**: users confirm they're okay on a schedule; missed check-ins alert trusted contacts via a plan-aware escalation pipeline (email free, WhatsApp paid). Shipped: caregiver portal, meal/medicine/water tracking, weekly PDF reports over WhatsApp, AI care assistant, Emergency SOS, five paid tiers (₹0–₹299).
- Engineering: Node + Express API on Postgres holding all authority (client never trusted), Next.js PWA + Capacitor store wrappers **plus a fully native Kotlin/Jetpack Compose Android app** (Android throttles PWA background work — the alarm must fire anyway); Redis locking, 18+ background workers, and **exactly-once alert delivery** via a registry-first outbox; server time only. Deliberately calm UX — no countdowns, no tracking, no panic.

OPEN SOURCE

career-ops — merged contributor (github.com/santifer/career-ops · 63k stars)

Aug 2026 · merged

- +580 lines merged (parser plus 402 lines of tests) after review by two maintainers and CodeRabbit; asserts a fixed-point property, `parse(format(x))` stable after one pass, rather than round-trip equality.
- Review hardened it: opt-in strict mode refuses unreadable sections naming each line; default path proven byte-identical across eight input variants; every fix pinned by mutation testing.

SKILLS

AI-Native Development: Claude Code (daily driver) · Antigravity (Google agentic IDE — built I'm Okay in it) · Kiro (spec-driven development: 37 requirements, 13 correctness properties) · Claude Design (20 signed canvases) · Claude API & Gemini in-product integration · LLM guardrails, banned-claims & safety screening · AI-assisted test design · browser agents (Playwright + LLM plan/act loop) · agent orchestration & step streaming · human-in-the-loop agent UX · prompt-injection testing

AI Method & Machinery: Authored 4 AI skills (build conductor · self-evolving red-team engine · 5-phase ecosystem audit · session discipline) · Prompt Playbook build loop (P0–P26, conductor/builder pattern) · agent hooks & guardrails (secret-path write denial, post-commit security pass) · multi-agent runs (3 concurrent) + swarm experiments (Ruflo) · gstack skill suite · Obsidian LLM second-brain with automated capture pipeline · prompt engineering · MCP integration · YC Paxel build telemetry · Standout AI-native engineer ranking

Testing, QA & Security: Manual, functional & policy/compliance testing · UI automation (Maestro) · Competitive parity benchmarking · Test auditing · Property-based testing · JIRA · Agile · SLA-driven operations · OWASP Top 10 2025 & LLM Top 10 · gitleaks · bearer

Programming & Data: React Native (advanced) · TypeScript · Node.js · Python · PostgreSQL · Next.js · Android · React (intermediate) · Kotlin · iOS (beginner) · Java · C++ · SQL · HTML/CSS · Linux

Cloud & Platforms: Supabase (Postgres, RLS) · Railway · FastAPI + statsmodels · Expo + EAS · Capacitor · Jetpack Compose, Room & WorkManager · Android Health Connect · Deno edge functions · Node/Express · Redis · Paddle · Stripe · Razorpay · Apple IAP · WhatsApp Business API · Playwright / headless Chromium · WebSockets (live step streaming) · Sentry · PostHog · Git/GitHub

Growth & Marketing: Google Ads · Meta Ads · Programmatic SEO (pSEO) · Landing pages & funnels · Cold outreach (Instagram → Zoom) · Analytics

EDUCATION

Devi Ahilya Vishwavidyalaya (DAVV) — Indore, India

2015 – 2020

- Master of Computer Applications (MCA), Computer Science — 2018 – 2020 · Bachelor of Computer Applications (BCA) — 2015 – 2017

AWARDS & COMMUNITY

Amazon Spot Awards & Jedi Ranger Awards (multiple cycles) · Campus Ambassador, IIM Bangalore “Vista” (2021) · Volunteer, Robin Hood Army (2016 – Present)