

# The Factory

Executive Brief — February 2026

Prepared by the Kev Agent Team

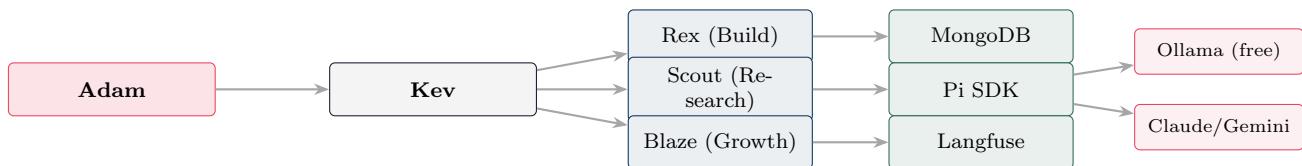
## What Is It?

An **autonomous AI factory** that discovers market opportunities, builds software products, deploys them, and generates revenue—24/7. Adam is the portfolio manager, not the operator. Four AI agents (Kev, Rex, Scout, Blaze) handle everything from market research to code deployment.

## Key Numbers

Metric	Value	Notes
12-month revenue target	\$30K–70K/mo	From 8–15 live products
Monthly cost (Month 1)	\$800–1,000	LLM APIs + electricity + hosting
Monthly cost (Month 12)	\$6,500–7,300	At full operation
Break-even	Month 5–7	Conservative estimate
Docker containers	3	MongoDB + Langfuse + Postgres sidecar
Cost per product built	\$40–70	Full cycle: research to deployment
Time to build a product	15–25 min	Agent time (excl. human approval)

## Architecture



## The Pipeline

**SCAN Scout VALIDATE Scout BUILD Rex LAUNCH Rex GROW Blaze**  
2–5 days per product. Launch 2/month, 30% survive, survivors avg \$2K/month by month 6.

# Technology Stack

Component	Choice	Why
Database	MongoDB	Replaces 7 systems: task queue, vector search, metrics, events, graph, cache, message bus
LLM Layer	Pi SDK	Direct provider routing + parallel execution; no proxy needed
Observability	Langfuse	Per-trace cost tracking; Langfuse SDK integration
Language	TypeScript	Ecosystem alignment; products + factory in one language
Products Deploy	Cloudflare	100K req/day free; zero cold starts; global edge
Auth / Payments	Clerk + Stripe	Free tiers; industry standard; agent-friendly
Local Inference	Ollama (RTX 3090)	50–60% of calls free; embeddings always local

## First Product: CronPilot

Cron job monitoring for developers. \$7–49/month. 97% margin. 18 agent-hours to build. \$105–135 total cost to launch. Proven market (Cronitor is \$20M+), underserved at the indie price point.

**Build plan:** 3 days. Day 1: foundation + ping endpoint. Day 2: dashboard + billing. Day 3: QA + launch.

## Week 1 Sprint Plan

Day	Deliverables
Mon	MongoDB task store, state machine, task CLI
Tue	Kev routing engine, cost pyramid, agent registry
Wed	Scout→Rex pipeline (first automated chain)
Thu	QA gate (cross-model review), review queue
Fri	Integration hardening, live demo with real product ideas

**Friday demo:** Idea → Scout researches → Rex builds → QA validates → review queue. All autonomous.

## Top 5 Risks

Risk	Score	Key Mitigation
API cost blowout / runaway loops	20	Per-agent budget caps, kill switches, velocity alerts
Prompt injection	20	Dual-LLM pattern, tool allowlists, human gates
Single server failure	16	UPS, auto-restart, cloud fallback, git for code
Platform bans (Stripe)	15	Legitimate products, multiple processors, low chargebacks
No product-market fit	15	Validation before building, fast kill decisions, portfolio approach

## Next Steps

1. **This week:** Execute Week 1 sprint — task queue, routing, first pipeline
2. **Week 2:** Deployment pipeline, first production ship
3. **Week 3–4:** Approval flow, cost controls, CronPilot launch
4. **Month 2:** Pipeline tuned, 2–3 products/week
5. **Month 3:** Factory self-funding from product revenue