

Samuel Kimama

Staff Product Engineer, AI Interfaces and Developer
Tools • Remote

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Founding engineer and patent-holder, 16 years shipping product at the interface layer. As first UI engineer at WitnessAI I built the AI security workflows the product sold on: contextual review of user and LLM interactions, policy-block notifications, and incident triage; I also designed the browser-side interception layer now covered by US patent 12,587,529. The RBAC and enterprise SSO systems I owned unblocked WitnessAI's first multi-million-dollar deals. Earlier, a GraphQL BFF and event-driven services over a decomposed monolith at Southwest, and billing shipped end to end at Survata from Groovy service logic and schema design through the UI. Independently ship applied AI end to end: QueQue turns natural language into shell commands over an LLM API, distributed via Homebrew; Etch is a browser extension on Chrome and Firefox spanning seven LLM platforms; pm-loop is a bounded agent-to-agent review loop running in CI.

PROJECTS

pm-loop • Used in CI across multiple projects

Mar 2026

CI loop where one agent triages another agent's code review.

- GitHub Action running Claude as a PM partner whenever a Codex reviewer bot comments on a PR: fixes real bugs, files tickets for out-of-scope concerns, and pushes back on premature or style-only feedback.
- Persists triage state across runs and caps iterations, so the fix → re-review loop terminates instead of spinning.

QueQue • github.com/k-leumas/queue

May 2026

Natural language to shell commands via LLM API, triggered with `??` pasted right back into your terminal.

- Prompt and output design for a destructive surface: generated commands are pasted to the prompt line for review, never auto-executed.
- CLI distributed via Homebrew tap, Zsh plugin, and Zellij integration.
- Designed for interrupted workflows. Queue now, run when unblocked.

Etch • k-leumas.github.io/etch-extension/

Mar 2026

One-click marking via hover handle — jump back right back to the block section you bookmarked from anywhere.

- Selectorless, geometry-based architecture keeps bookmarks resilient to UI changes across platforms you do not control.
- Browser extension shipped on Chrome and Firefox; supports ChatGPT, Claude, Gemini, Copilot, Perplexity, Grok, and Mistral.

EXPERIENCE

Senior Software Engineer • WitnessAI • REMOTE

Oct 2023 – Jan 2026

First UI engineer, establishing frontend architecture and cross-team delivery patterns for a fast-evolving SaaS platform.

- Established the React + TypeScript architecture, component library, and API contracts that 5 frontend engineers build on across the WitnessAI platform.
- Designed and shipped the company-wide RBAC system enforcing 5 roles across every route and UI control, partnered with backend to close data-leakage vectors, supported SOC2 readiness, and unblocked enterprise purchase contracts requiring role-based permission enforcement.
- Shipped 3 core customer workflows in partnership with ML, backend, and product: alerts for triaging security incidents, conversations for contextual review of user + LLM interactions, and end-user notifications when traffic was redirected or blocked by policy.
- Led the enterprise SSO (WorkOS) integration that unblocked deals with multiple Fortune 100 companies and a top-tier global telecom, all of which required SSO to close.

Impact: Elevated the frontend into a first-class product layer: RBAC and enterprise SSO directly unblocked WitnessAI's first multi-million-dollar ARR enterprise deals, including multiple Fortune 100 customers and a top-tier global telecom.

PATENT Real-time security for AI interactions

US 12,587,529 B2 • Mar 2026

proxy-injected, real-time policy enforcement on AI input/output.

Senior Software Engineer • Southwest Airlines • REMOTE

Jun 2022 – May 2023

Modernization initiative migrating critical systems to a cloud-native architecture.

- Defined the seams decomposing a legacy monolith into independently owned micro-frontends, unblocking parallel team delivery.
- Built a GraphQL/BFF layer that transformed legacy APIs into UI-optimized read models, simplifying client complexity.
- Designed event-driven integrations (Lambda, Kinesis, DynamoDB) to decouple frontend from backend availability.
- Made deliberate tradeoffs across migration speed, team autonomy, and risk; used feature flags and controlled cutovers to ship without stalling delivery.

Impact: Reduced complexity and enabled scalable frontend ownership across teams.

Lead Frontend Engineer • Confidential Client (NDA) • REMOTE

Jun 2020 – May 2022

Principal frontend engineer for a multi-app platform integrating ML-driven workflows.

- Designed a React + TypeScript monorepo hosting multiple apps that shared core primitives.
- Partnered with ML teams and product leaders to shape how classification and automation surfaced in user workflows.
- Established A11y, analytics, performance, and testing standards; built design systems that absorbed complexity so product teams moved faster.

Impact: Enabled scalable product development and ML integration into user-facing workflows.

Lead Frontend Engineer • Survata • SAN FRANCISCO, CA

Jun 2015 – Apr 2020

First frontend engineer, later de facto lead for a B2B SaaS analytics platform.

- Shipped multi-pay-period billing end to end: Groovy service logic, GORM schema changes designed with the CTO, and a self-serve survey extension in the UI that removed CSRs from the renewal path.
- Owned an AngularJS to React migration, using incremental-vs-rewrite tradeoffs to preserve product velocity through the transition.

- Designed a D3-based data visualization plugin platform grounded in how analysts actually explored customer data.
- Cut TTFB 67% for return visitors through architectural changes; reduced onboarding from 1 week to 1 day via standards and workflow tooling.

Impact: Scaled the frontend from a single engineer to a mature platform supporting product growth and team expansion.

Senior Software Engineer • LinkedIn • MOUNTAIN VIEW, CA

Mar 2012 – Oct 2014

Led login and authentication flows across web and mobile web at LinkedIn scale.

- Designed secure client-server preload patterns for LinkedIn's login and auth flow.
- Built the profile-page connection widget that helped users connect with new members via their shared connections, backed by an offline pipeline that pre-computed degrees of connection across LinkedIn's full 300M+ member graph.
- Contributed core components to LinkedIn's shared UI system, used across multiple product surfaces on web and mobile web.

Impact: Shipped secure login, auth, and profile connection features used across LinkedIn's global member base on web and mobile web.

CORE STRENGTHS

- Patented real-time policy enforcement on live AI traffic, proxy-injected on model input and output
- Production surfaces for inspecting live user and LLM conversation traffic
- AI product surfaces enterprise buyers evaluate: incident triage, policy-block notification
- Agent-to-agent loops that terminate: persisted triage state and iteration caps in CI
- Model output shaped for surfaces where a wrong answer is destructive, including natural language to executable shell
- Access control and data-leakage defense for AI systems: RBAC, SOC2 readiness, enterprise SSO
- Seven LLM platform integrations, resilient to UI churn in surfaces I do not control
- LLM developer tools shipped and distributed solo
- Honest tradeoff calls across scope, speed, and long-term complexity
- Long-lived codebases held together by migrations, decomposition, and boundaries that last
- React + TypeScript monorepos, GraphQL BFF contracts
- Features owned end to end: service logic and SQL schema design through to the shipped UI

TECHNOLOGIES

- | | | |
|----------------------------------|---|--------------|
| • TypeScript / JavaScript (ES6+) | • LLM APIs (Anthropic, OpenAI) | • Astro |
| • Groovy | • GitHub Actions | • Vite |
| • SQL | • WebExtensions (Chrome, Firefox) | • Webpack |
| • React | • AWS (Lambda, Kinesis, DynamoDB, CloudFront) | • Jest / RTL |
| • Node.js | • Single-SPA | • HTML/CSS |
| • GraphQL | • D3 | |

EDUCATION

B.S. Computer Science & Engineering
The Ohio State University
2004 – 2009