

Scott Key

Senior Software Engineer

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SKILLS

TypeScript / React / Next.js / Node.js / Fastify / PostgreSQL / Redis / Kafka / RabbitMQ / Kubernetes / GCP (GKE, Cloud SQL, GCS, Artifact Registry) / AWS / Docker / Stripe / Shopify

EXPERIENCE

Rebuy

May 2024–present

Senior Software Engineer

- One of two founding engineers on Rebuy.app, Rebuy's greenfield B2B commerce platform. Primary engineer across every surface: merchant dashboard, customer checkout, Fastify API, Payouts system, and the internal tooling layer.
- **Payouts (owner):** Designed and built the end-to-end payout system from scratch — Stripe Connect integration, idempotency keys to prevent double-pays, ledger reconciliation against Stripe's API, exactly-once guarantees via pre-transfer invariant guards, and an append-only audit log. Architected for reuse across the wider Rebuy platform.
- **Carl CLI (author):** Unified developer CLI that orchestrates ~18 containers across 5 Docker Compose stacks, 3 bare-metal Node servers, a Cloudflare Tunnel, Caddy reverse proxy, Stripe listener, and live GKE kubectrl contexts. New engineer onboarding: 3 commands. Also owns vulnerability scanning, Helm/GKE deploys, and the E2E test runner.
- **@rebuy/tributary (author):** Internal OpenAPI-to-TypeScript code generator. One command produces typed fetchers, Zod schemas, React Query hooks, and a Next.js server/client proxy across four services — eliminating API-contract drift entirely. Published as a private npm package on GCP Artifact Registry.
- **@rebuy/ice-age (maintainer):** Inherited and extended Rebuy's Kysely migration framework — added transaction isolation guards, Pino logging, and an interactive schema visualizer (Preact + esbuild) with pan/zoom, FK mapping, drift detection, and multi-service federation.
- **Shopify embeddable (author):** React/Vite widget embedded into merchant Shopify themes via Liquid. Same-origin proxy eliminates CORS; Shopify passthrough auth via bod-shopify-connector. Versioned artifacts deployed to GCS.
- Primary CI/CD author (Bitbucket Pipelines + GKE/Helm). Led production upgrade to Next.js 16 + React 19 with React Compiler enabled in prod.

Pluralsight

Nov 2021–Mar 2024

Software Engineer, FinTech Team

- **Entitlements API:** NestJS middleware in the Salesforce -> MuleSoft -> platform provisioning chain. Processed ~\$9M/month in B2B license provisioning at peak load.
- **SHAFT (author):** Internal Next.js tool connecting Kafka streams, RabbitMQ, and Salesforce to surface provisioning discrepancies in real time for ~20 non-technical stakeholders — replacing engineer-only manual investigations with a self-serve interface.
- **A Cloud Guru migration:** Full billing and account migration following acquisition — payment method portability, bulk account creation (10k+ accounts), subscription mapping, and billing history migration for thousands of customers.
- **Billing migrations:** Two major platform migrations — Chargebee to Stripe + Salesforce, and Zuora to Stripe. Batch-migrated payment methods, subscription records, and billing data at scale with zero revenue loss.

SKM Engineering

Jan 2021–Nov 2021

Software Engineer

- Software engineer at an industrial engineering consultancy. Built React UIs on top of Ignition SCADA for city-scale infrastructure clients — sensor dashboards, live alerting, and automation controls.
- Logan, Utah water treatment plant (most involved): ~1,000 operator screens with tens of thousands of live sensor data points. Primary interface for plant monitoring and automation control.
- Built development tooling from scratch for a polyglot environment (JVM/Python/HTML/React). Authored a compiled Kotlin SFTP plugin installed into production Ignition systems.