

# Bryan Schwab

Redwood City, CA | [bryan@schwab.sh](mailto:bryan@schwab.sh)

## Professional Summary

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Engineering leader (ex-Venmo, ex-Meta) and current founder. 25+ years modernizing regulated, mission-critical financial systems. Now running a GenAI-first, agentic SDLC daily at Quirence AI with Claude Code, Codex, Grok/xAI, and a customized OpenClaw deployment, plus internal tooling so autonomous coding agents collaborate effectively with the team. Earlier: Senior Director at Venmo (200+ engineers, \$300B+ annual payment volume), Engineering Manager at Meta (Facebook release engineering, Libra L1 blockchain, Rust Foundation), Director at WePay, and Staff Engineer at Etsy (built the payments platform that powered the IPO).

## Professional Experience

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### Co-Founder & Technical Lead, Quirence AI

*Remote • Aug 2025 – Present*

- **AI-native engineering practice (daily):** Run a GenAI-first, agentic SDLC across design, code, testing, documentation, and operations, with Claude Code, Codex, Grok/xAI, and a customized OpenClaw deployment. Also building internal tooling so autonomous coding agents collaborate with the team and produce architecture, design docs, and decision records on short cycles rather than long review loops.
- **Multiplier effect:** Delivered an agentic commerce platform (multi-service backend, cross platform mobile, web frontend, payments, observability) with a small founding team and a high agent-to-engineer ratio. AI runs in production, not in a side experiment.
- **Production AI architecture:** Built a multi-service backend integrating Vertex AI Gemini 3 Flash for vision-driven browser automation (computer use), text-embedding-004 for retrieval, and Gemma/ShieldGemma via Ollama as a multi-pass safety guardrail gating every LLM interaction. Currently in closed beta.
- **Retrieval at scale:** Built hybrid BM25 + vector search over a ~370k product BigQuery catalog with LLM query expansion and cached embeddings. No dedicated vector database needed.
- **Mobile and web:** Cross platform iOS and Android Flutter app (Riverpod, GoRouter, SSE-streamed conversational AI) plus a React frontend, with Maestro E2E coverage, golden screenshot testing, and biweekly internal releases to TestFlight and Play Store closed tracks.
- **Cloud infrastructure (GCP):** Platform runs on GKE, Cloud Run, Cloud SQL Postgres, and BigQuery, with Pulumi IaC, real time CDC via Datastream, and a self-hosted VictoriaMetrics + Grafana observability stack. Infra spend stays minimal at beta scale.
- **Payments and auth:** Integrated Stripe Issuing for virtual cards and Stripe Payments for card-on-file checkout, with AWS Cognito-backed authentication across mobile and web. Currently prototyping with MPP (Machine Payments Protocol) for agent-initiated payments.
- **Internal AI-agent tooling:** Co-developing internal tooling that keeps product requirements, design decisions, and implementation aligned as autonomous coding agents take on more of the development workflow.

## Senior Director, Software Development, Venmo (a PayPal company)

San Jose, CA • Aug 2024 – Aug 2025

- **Organizational leadership:** Led a 200+ engineer Product Engineering organization across iOS, Android, and Web. Managed Directors and Senior Managers through ambiguity, regulatory scrutiny, and platform modernization, while sustaining delivery on portfolios processing **\$300B+ in annual payment volume**.
- **Regulated consumer finance:** Directed engineering for the Consumer Financial Services vertical: Credit Card, Debit Card, and Teen banking products.
- **Core and P2P:** Owned the technical roadmap for high-volume Peer-to-Peer payments, Search, and Social Feed platforms.
- **Commerce modernization:** Led the “Pay with Venmo” checkout experience and drove web platform modernization.

## Head of Security Software Engineering, Mysten Labs

Palo Alto, CA • May 2023 – Mar 2024

- **AI strategy:** Designed and implemented company wide AI infrastructure. Set up vendor partnerships and optimized resources for adoption across engineering.
- **Data infrastructure:** Built data pipelines in Snowflake, **cutting annual cloud compute costs by 70%+** while building partner mapping systems.
- **Security engineering:** Integrated on chain data into the security data lake for real time monitoring, scam/fraud prevention, and automated threat detection.

## Engineering Manager, Meta

Menlo Park, CA • Oct 2014 – May 2023

- **Global release engineering:** Managed managers and 40–50 engineers across MPK, NYC, London, and TLV. Orchestrated continuous delivery of the Facebook family of apps to **billions of users** and modernized mobile release infrastructure.
- **Fintech security leadership:** Directed security engineering across vulnerability management and application security for Meta Fintech, including the Instagram NFT launch.
- **Blockchain infrastructure (Libra / Novi):** Built the Libra L1 blockchain infrastructure under regulatory scrutiny and founded the Developer Infrastructure and Ecosystem teams. Shipped to developer and test networks.
- **Rust ecosystem and cultural change:** Drove Rust adoption inside Meta and for Libra. Helped establish the **Rust Foundation**, a real engineering-culture shift inside a large legacy ecosystem.
- **Threat intelligence:** Built a security data lake and graph based intelligence tools to identify Web3 threats and manage third party vendor risk.

## Director of Engineering, WePay

Palo Alto, CA • Mar 2013 – Jul 2014

- **Platform scaling:** Led WePay’s core platform engineering. APIs and SDKs handled large payment volumes for third-party developers.
- **Technical debt remediation:** Ran a remediation plan that improved SLAs and system reliability. Customer satisfaction and revenue both improved.
- **PCI compliance overhaul:** Rebuilt the security posture to streamline **PCI auditing**, reducing compliance turnaround.

## Development Director, Kabam

San Francisco, CA • Feb 2011 – Nov 2012

- **Unified payments platform:** Designed and migrated to a studio wide payments system covering in-game micro transactions, bundles, and promotions.
- **Fintech R&D:** Ran early R&D and proof of concepts for Bitcoin integration.

## Staff Software Engineer, Etsy

Brooklyn, NY • Jan 2008 – Jan 2011

- **Foundational payments architecture:** Built the initial checkout and payments platform across multiple generations. The revenue it generated was a major factor in **Etsy's IPO**.
- **Infrastructure scaling:** Led architectural migrations (Postgres → MySQL) and performance work that resolved scaling bottlenecks during hypergrowth.

## Early Career

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**Senior Software Engineer, Presto** — Mountain View, CA • 2006 – 2008

**Senior Software Engineer, eBay** — San Jose, CA • 1999 – 2006

- Led the **\$50M Global Billing migration** and integrated eBay's billing system with PayPal. Handled **\$130M+ in annual transactions** on a regulated, mission-critical legacy stack.

**Software Engineer, Wired** — San Francisco, CA • 1998 – 1999

**Application Engineer, NetGravity** — San Mateo, CA • 1997 – 1998

## Education

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**Bachelor's Degree in Computer Engineering**

Florida Atlantic University, Boca Raton, FL

## Technical Skills

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- **AI & GenAI:** LLMs (Gemini, Claude, Gemma, Ollama), Vertex AI, agentic browser automation (computer use), hybrid retrieval (BM25 + vector), embeddings, LLM guardrails, prompt engineering.
- **AI development tooling:** Claude Code, Codex, Grok/xAI, OpenClaw, MCP (Model Context Protocol).
- **Cloud infrastructure:** GCP (GKE, Cloud Run, Cloud SQL, BigQuery, Pub/Sub, Cloud Tasks, Datastream, Firebase Hosting, Artifact Registry), AWS (Cognito), Pulumi, Terraform, Docker, Kubernetes.
- **Observability:** VictoriaMetrics, VictoriaLogs, Grafana, Prometheus, stackdriver-exporter.
- **Core stack & DevOps:** TypeScript, Python, Node.js, React, Flutter/Dart, FastAPI, Express, SQL, GitHub Actions, CI/CD, Stripe (Issuing + Payments).