

Jacob Silverman

Software Engineer — data-intensive applications in AI & crypto

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SUMMARY

Software engineer specialising in data-intensive applications across AI, crypto, and fintech. I build systems that ingest messy, high-volume data and turn it into legible product: multi-modal AI pipelines (voice transcription, vision OCR, document parsing over 100GB+ on local ML models), multi-chain on-chain analytics (Solana/ETH/AVAX/BTC reconciliation, FIFO cost-basis, Meteora DLMM P&L), and Xero-integrated multi-tenant financial platforms with audit-grade ledgers. Comfortable across the stack — Python ML pipelines, TypeScript/React/Remix/Next front-ends, Solana/Rust, Postgres/Prisma/Drizzle, GCP/AWS.

EXPERIENCE

Software Engineer · AccountMD 2026 – Present

Founder — building declarative double-entry bookkeeping for crypto + fiat: FIFO cost basis, multi-chain event parsing, per-wallet audit trails. Alongside, freelance fiat-valuation work for a finance client (MYOB + Xero). Delta-neutral strategy simulator and P2E demos in progress.

Software Engineer · Akin Travel 2025 – 2026

Software engineering at a travel startup — bookings and loyalty systems.

Software Engineer · Self-employed 2020 – 2024

Self-directed trading infrastructure on Solana — built P&L analytics and trade-ledger reconstruction tooling for delta-neutral day-trading and DLMM market making (Meteora), across ~1000s of transactions (see the project demos below).

Sales Engineer · STRV 2017 – 2018

Pre-sales engineering at a US software-development agency (New York) — scoping custom software builds and translating client requirements into project specs.

Software Engineer Intern · Atlassian 2014 – 2015

Software engineering internship in the Jira/Confluence ecosystem, during my UNSW engineering degree.

EDUCATION

University of New South Wales 2012 – 2016

Bachelor's Degree in Engineering (Electrical)

TECH STACK

TypeScript · Python · Rust · SQL · React · Remix / React Router · Next.js · Tailwind · Node.js · PostgreSQL · Prisma · Drizzle · SQLite / FTS5 · BigQuery · MLX · Whisper · Qwen3-VL · OCR / multi-modal · Solana · Anchor · Meteora DLMM · Helius · Xero API · Stripe · FIFO accounting · Docker · GCP · AWS · Fly.io