

Professional Summary

Full-stack software engineer working in TypeScript/React and Python. Lead engineer on a ground-up TypeScript rebuild of a wellness benefits platform, now in hosted alpha, and author of the internal tools a benefits company runs on. Brings 12+ years of business leadership to technical decisions - understanding both the code and the business impact.

Technical Skills

Frontend: TypeScript, React 19, TanStack Router/Query, Vite, React Hook Form, Zod, Tailwind CSS, shadcn/ui, Redux Toolkit, Next.js, Electron, GSAP

Infrastructure: Fly.io, Neon, Kubernetes (K3s), Cloud Native PostgreSQL, Longhorn, Docker, GitHub Actions CI/CD, Sentry, Pino

Backend: Hono, Node.js, Drizzle ORM, PostgreSQL, Redis, Meilisearch, FastAPI, Flask, SQLAlchemy, Pydantic, Better Auth/JWT (JWKS), WebSockets

Tooling & Testing: pnpm monorepos, Vitest, pytest, Typer/Click CLIs, uv, Git, OpenAPI

Professional Experience

Software Developer

BizPower360, Nashville, TN (Remote) | Nov 2025 - Present

- Lead engineer on LiveWell, rebuilding an ERP-embedded wellness and fitness benefits app as a standalone TypeScript monorepo (React 19, TanStack, Hono, Drizzle, PostgreSQL); 700+ commits, 46-table schema, in hosted alpha on Fly.io
- Made shared Zod schemas the single source of truth for every type crossing a boundary (DB, API, forms) and enforced a server trust boundary so provenance and snapshot fields are never taken from the client
- Built the production foundations: Redis caching, idempotency keys on every mutation, tiered per-user rate limits, JWKS-verified auth, and Meilisearch food search fed by a transactional outbox
- Wrote ~1,800 Vitest unit and integration tests run against real Postgres and Redis, gating CI/CD in GitHub Actions, with Sentry and structured logging in production
- Built a Python CLI that pulls and pushes the company's ERP configuration (workflows, datasets, automations) with terraform-style diff previews and dependency-graph impact analysis
- Built a payroll extraction tool parsing ten vendor document formats into pre-filled census and savings-model inputs, and an Electron desktop app for monthly and yearly payment reconciliation

Creator & Maintainer

sbtITV (Open Source, 5,000+ downloads) | Jan 2026 - Present

- Cross-platform desktop IPTV player (Electron, React, native mpv rendering) with multi-source merging and deduplication, EPG guide, TMDb metadata matching, and offline caching

Lead Developer

Atria (Open Source, 100+ GitHub stars) | Feb 2025 - Present

- Architected multi-tenant event platform with hierarchical RBAC across 8 permission levels; listed on selfh.st
- Built real-time chat with Flask-SocketIO (5 room types plus direct messaging) secured by dual-token auth (httpOnly JWT cookies plus WebSocket tokens)
- Designed 17-model PostgreSQL schema with event hierarchies, fractional indexing, and soft deletion; coordinated the TypeScript migration through PR review

Vice President of Operations

Marx Productions, Chandler, AZ | Jul 2017 - Dec 2023

- Led COVID-19 pivot to virtual events, growing a new revenue line from \$0 to \$500K+ annually
- Ran technical production for 100+ virtual and live events (up to 2,000 attendees) for Presidents Bush, Biden, and Trump, VP Harris, and Fortune 500 CEOs
- Scaled operations from \$1.5M to \$5M+ in revenue while growing the team from 15 to 50 employees

Education

App Academy

Software Engineering Program | 2024

Arizona State University

Bachelor of Science in Biochemistry