

Professional Summary

Forward-thinking technology professional transitioning to software development, combining full-stack development expertise with 12+ years of business leadership experience. Proven track record of leading technical implementations and scaling operations from \$1.5M to \$5M+ in revenue. Demonstrated ability to manage high-stakes technical productions for Fortune 500 executives and government leaders.

Technical Skills

<b>Core:</b> JavaScript, TypeScript, Python, SQL, HTML, CSS	<b>Frontend:</b> Next.js, React Router + Hook Form, Redux + Toolkit, RTK Query, Zod, Tailwind CSS, Framer Motion, GSAP, Socket.io
<b>Tools:</b> Git, Nginx, Storybook, Postman, MinIO, Docker, Payload CMS, Swagger/OpenAPI	<b>Backend:</b> Flask, SQLAlchemy, Express, FastAPI, Sequelize, PostgreSQL, SQLite, Marshmallow, Pydantic, Atomic Agents

Technical Projects

All projects self-hosted on bare metal Ubuntu 22.04 server using either Docker Compose behind Nginx reverse proxy or Kubernetes (k3s)

Atria - Virtual Event Platform & Professional Networking [atria.gg](#)

React • Redux Toolkit • RTK Query • Mantine UI • Flask • SQLAlchemy • PostgreSQL • Socket.IO • MinIO

- Architected multi-tenant SaaS platform with hierarchical RBAC supporting 8 distinct permission levels across organizations and events
- Built real-time communication system with Flask-SocketIO handling 5 chat room types and direct messaging
- Implemented robust API architecture with 11 RTK Query slices, automatic cache invalidation, and standardized error handling across 40+ endpoints
- Designed PostgreSQL schema with 17 models supporting event hierarchies, fractional indexing, and soft-deletion patterns
- Developed dual-token authentication combining httpOnly JWT cookies with WebSocket tokens for secure cross-domain support
- Integrated MinIO object storage with automated image optimization and bucket-level security for multi-tenant file management

Interactive Portfolio with AI Assistant [sbt1.dev](#)

Astro 5.1 • React 19 • TypeScript • FastAPI • PostgreSQL • Redis • OpenAI/Gemini • SQLAlchemy 2.0 • GSAP

- Built portfolio with AI assistant that dynamically reimagines landing page per interaction vs traditional chat
- Architected FastAPI backend with async SQLAlchemy, pgvector semantic search, and Redis caching
- Leveraged OpenAI/Gemini APIs with Instructor for type-safe outputs and Atomic Agents framework
- Engineered RAG system with vector embeddings for contextual portfolio content retrieval
- Features additional projects including Express.js applications and MinIO object storage implementations

TaskFlow - Project Management Application [taskflow.sbt1.dev](#)

React • Redux • Flask • Flask-SQLAlchemy • PostgreSQL

HILLS - Music Artist Website [itshillshouse.sbt1.dev](#)

Next.js • TypeScript • Zustand • Framer Motion • Tailwind CSS • Payload CMS • MongoDB • Docker

Professional Experience

Vice President of Operations

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

- Led emergency COVID-19 pivot to virtual events, transforming service delivery and growing revenue from \$0 to \$500K+ annually
- Implemented JavaScript/CSS solutions for virtual event platform customization, including Calendly integration and custom presenter interfaces
- Managed technical production for 100+ virtual events (15-1,200 attendees) featuring high-profile speakers including President George W. Bush, SEC Chairman Gary Gensler, and Fortune 500 CEOs
- Orchestrated live event productions (15-2,000 attendees) for President Biden, President Trump, VP Harris, and corporate leaders
- Scaled company operations from \$1.5M to \$5M+ in revenue while growing team from 15 to 50 employees

Operations Coordinator

Marx Productions, Chandler, AZ | Jul 2011 - Jul 2017

Education

App Academy

Software Engineering Program | 2024

Arizona State University

Bachelor of Science in Biochemistry