

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

Core: JavaScript, TypeScript, Python, SQL, HTML, CSS	Frontend: Next.js, React Router + Hook Form, Redux + Toolkit, RTK Query, Zod, Tailwind CSS, Framer Motion, GSAP, Socket.io
Tools: Git, Nginx, Storybook, Postman, MinIO, Docker, Payload CMS, Swagger/OpenAPI	Backend: 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 Docker Compose behind Nginx reverse proxy unless otherwise noted

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

Atria - Virtual Event Platform *atria.sbt1.dev*

React • Redux Toolkit • RTK Query • Mantine UI • Flask • Flask-SQLAlchemy • Marshmallow • PostgreSQL • Swagger

- Built bidirectional real-time communication with Flask-SocketIO and Socket.io client for chat and direct messaging
- Designed scalable frontend architecture using custom RTK Query API slices for standardized data handling
- Structured SQLAlchemy ORM models supporting complex event hierarchies and role-based access control
- Secured platform with JWT authentication and token refresh using RTK Query and Axios interceptors
- Developed time-based agenda layout for concurrent sessions with dynamic grid visualization
- Streamlined API documentation and validation through Flask-Smorest with Marshmallow schemas

HILLS - Music Artist Website *itshillshouse.sbt1.dev*

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

TaskFlow - Project Management Application *taskflow.sbt1.dev*

React • Redux • Flask • Flask-SQLAlchemy • PostgreSQL

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

- Optimized operational processes and implemented cost-saving measures for live events and logistics
- Managed day-to-day operations and client relationships with Fortune 500 companies and industry leaders

Education

App Academy

Software Engineering Program | 2024

Arizona State University

Bachelor of Science in Biochemistry