

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, Astro, Tailwind CSS, Framer Motion, Zod
Tools: Git, Nginx, Storybook, Postman, MinIO, Docker, Payload CMS, Swagger/OpenAPI	Backend: Flask (SQLAlchemy, Smorest, JWT, etc.) Express, Sequelize, PostgreSQL, SQLite, APScheduler, Marshmallow

Technical Projects

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

- React • Redux Toolkit • RTK Query • Mantine UI • Flask • Flask-SQLAlchemy • Marshmallow • PostgreSQL • Swagger
- Implemented 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
 - Architected SQLAlchemy ORM models supporting complex event hierarchies and role-based access control
 - Implemented JWT authentication with token refresh using RTK Query and Axios interceptors
 - Developed time-based session layout algorithm for concurrent events with dynamic grid visualization
 - Configured multi-container Docker development environment with hot reloading for rapid development
 - Integrated 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
- Developed a dynamic music artist website with a Next.js frontend featuring hot swappable themes
 - Implemented a headless content management system using Payload CMS for flexible content updates and media management
 - Designed and integrated a custom "LED wall" background effect using React and CSS, providing a visually distinctive user experience
 - Utilized Zustand for efficient client-side state management, ensuring smooth data flow and responsiveness

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

React • Redux • Flask • Flask-SQLAlchemy • PostgreSQL

SpookySpot - Property Rental Platform *spookyspot.sbt1.dev*

React • Redux • Express.js • Sequelize • PostgreSQL • MinIO

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