

TIMOTHY WEAVER

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Open to relocation

SUMMARY

Software Engineer with a B.S. in Software Engineering (3.83 GPA, Summa Cum Laude) and a Master of Computer Science (AI concentration) expected December 2026 from Arizona State University. Built and operate two production SaaS products: VidlyAI, an AI video generation platform, and useventful.com, a multi-tenant event calendar. Also built AgentForge, an open-source AI agent framework. 17 years of business ownership before moving into software. U.S. Army veteran.

EDUCATION

Master of Computer Science, AI Concentration Arizona State University, Tempe, AZ (Currently Enrolled)	Aug 2025 - Dec 2026
Bachelor of Science in Software Engineering Arizona State University, Tempe, AZ GPA: 3.83/4.0	Jan 2021 - May 2025

TECHNICAL SKILLS

LLM and Agents: Claude, DeepSeek, and Gemini APIs; cost-driven multi-provider routing; multi-stage prompt orchestration; structured extraction from unstructured input
Programming Languages: Java, Python, TypeScript, JavaScript, SQL, C++, HTML, CSS
Frameworks and Libraries: Spring Boot, Next.js, React, Node.js, Express.js, JUnit
Data and Infrastructure: PostgreSQL, Redis, Prisma, MongoDB, MySQL, Docker, AWS S3, Cloudflare R2, CI/CD
Product Engineering: REST API design, JWT/OAuth2, Stripe billing, multi-tenancy, FFmpeg media pipelines
Methodologies: Agile, Scrum, Object-Oriented Design, Test-Driven Development

TECHNICAL PROJECTS

VidlyAI - AI Video Generation Platform - Designed and shipped a production platform on Spring Boot, React, PostgreSQL, and Redis, handling architecture, infrastructure, billing, and support as sole developer - Built a multi-stage LLM pipeline (Claude for story ideation, DeepSeek for generation) with cost-based provider routing, turning a single text prompt into a finished short-form video - Implemented Redis-based distributed locking to prevent duplicate concurrent generation steps, plus FFmpeg server-side rendering, Stripe billing, and JWT/OAuth2 authentication	DEC 2024 - Present
useventful.com - Multi-Tenant Event Calendar - Launched a live multi-tenant community event calendar on Next.js 16, TypeScript, PostgreSQL/Prisma, and NextAuth v5, deployed on Railway - Built AI flyer scanning on the Claude API that reads an uploaded image and auto-populates a structured event listing, replacing manual data entry - Shipped Free and Pro tiers with a moderation queue, custom branding, and iframe embed	JAN 2026 - Present
AgentForge - Open-Source AI Agent Framework - Built a unified LLM interface layer with ReAct and Plan-Execute reasoning engines - Implemented a pluggable tool registry and persistent memory management in Python	
Field Day - ASU Capstone, Team of 5 - Built an offline-first Progressive Web App (React, Vite, Tailwind, Firebase/Firestore) for wildlife researchers running capture-mark-recapture studies without connectivity - Collaborated using Git version control and Agile methodology with code reviews; sponsored by an ASU Biology professor	JUN 2024 - MAY 2025

PROFESSIONAL EXPERIENCE

Business Owner & Operator (2003 - 2020)

Stokers, Merced, CA

- Founded and managed a successful motorcycle service business for 17 years
- Implemented digital inventory and CRM systems while managing technical staff
- Developed training programs maintaining high customer satisfaction

Clinical Engineer

1995 - 2002

Stanford University Hospital, Stanford, CA

- Maintained critical medical equipment and served as Department Head at Mt. Zion Hospital, SF
- Implemented preventive maintenance programs and managed vendor relationships
- Ensured JCAHO compliance and collaborated with medical staff

MILITARY SERVICE

United States Army

- Served at Walter Reed Army Medical Center with Honorable Discharge
- Received two Army Achievement Medals for exceptional service
- Performed medical equipment maintenance and support duties