

Titus Blair

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Professional Summary

Seasoned technology and AI leader with over three decades of engineering and product innovation/development experience—and more than 4 years driving Generative AI strategy, automation, architecture and deployments. Proven at architecting scalable platforms, pioneering voice-AI solutions, prompt engineering, RAG pipelines and document automation, while ensuring compliance in regulated domains (HIPAA).

Experience

Independent Consulting, Prime Mind AI

2021 – Present

- Consulted on AI & automation solutions for marketing, sales, customer service and content creation.

- **Autonomous Comic Generator:** Launched an AI agent that self-designs, self-manages and publishes daily one-panel comics.
- **AI Personal Statement Editor:** Engineered an LLM-driven agent to autonomously edit medical school statements and correspond with applicants.
- **Content Creation System:** Developed agents using real-time Serper API search, LLMs and Pinecone vector store to research topics, outline and produce styled content.
- **Ai + i Podcast Platform:** Created a multi-model, shared-memory podcast system with WebRTC, Node.js, Python, text-to-speech, speech-to-text and live voice animations via ElevenLabs and Canvas.
- **Autonomous Sales Calling Agent:** Deployed a self-driving voice-API system for outbound sales outreach.
- **Daily Song Generator:** Built an AI-powered, Suno AI-based system to compose and publish a unique song each day.
- **Document Automation & AI Training Agents:** Delivered dynamic contract-generation workflows and specialized AI training agents for healthcare and marketing use cases.

Chief AI Officer, MSP Process

2024 – Present

- Architected and launched the company's comprehensive AI platform for voice, chat and ticketing workflows.
- Designed an AI Voice Agent on VAPI to triage complex support tickets, perform instant verification, SMS notifications and handoffs to live support.
- Integrated all leading voice-AI provider APIs under SOC 2 aligned processes.
- Established prompt-engineering standards with LangSmith for version control and safety testing, and earned LLM Red-Teaming & prompt-injection certification.
- Deployed and managed AI services on AWS, GCP, Azure and DigitalOcean, achieving 50%+ time savings in ticket resolution and richer insights via audio-transcript analysis.

Chief Technology Officer, JackWestin.com

2016 – 2021

- Drove 50% company growth through live/recorded streaming classrooms, MCAT exam engines and a real-time learning Chrome extension.

- Designed LAMP-stack architecture, integrated APIs and implemented CI/CD pipelines in cloud environments.
- Recruited and mentored development teams, introduced Agile methodologies and aligned technology initiatives with business goals.
- Oversaw data security and privacy compliance, ensuring system reliability and scalability.
- Implemented vector-DB strategies using Pinecone, Weaviate and Qdrant to power RAG and semantic search.

**Side-Hustle Founder & Developer, PitchPodcasts.com ·
JobCompass.net · AIResume.com**

2014 – 2022

- **JobCompass.net:** Pioneered location-based job search in partnership with Indeed, scaling from a single listing to thousands across web and mobile.
- **PitchPodcasts.com:** Built a SaaS platform hosting thousands of podcasts and guests, achieving millions of listener impressions.
- **AIResume.com:** Created the first AI-driven resume service with real-time design customization and interview-likelihood prediction.

Developer Relations / Advocate, Dolby · BigObject

2013 – 2015

- Expanded Dolby's Audio API developer program through meetups, conferences and unique events (e.g., Dolby Atmos screenings).
- Crafted tutorials and demos—including visual audio-quality comparisons—to drive API adoption.
- Engaged Fortune 100 clients for BigObject's in-memory database, developing B2B content to accelerate enterprise sales.

Senior Web Architect Manager, Barnes & Noble

2011 – 2013

- Led the NOOK Developer Portal, streamlining app ingestion and approval processes for improved UX and submission rates.
- Applied LAMP, CI/CD and cloud technologies to enhance portal performance and developer satisfaction.

Founder & CEO, Small Success

2009 – 2011

- Delivered full-service consulting in marketing, development and mobile.

- Launched a top-15 worldwide iPhone app (“The Bomb”) and a 2 M+ download Android Bubble Wrap app.
- Partnered with Pearson, Johnson & Johnson and Disney on flagship mobile apps.

Founder & Executive Director, NeedSharing.org

2007 – 2009

- Founded the first crowd-helping nonprofit platform, building out legal, financial and technical frameworks in Ruby on Rails.

Founder & CEO, SwordsOnline.com

1998 – 2007

- Scaled a LAMP-stack e-commerce site from zero to \$2 M+ in sales, introducing RFID authentication and high-profile growth hacks and unique marketing partnerships.

Sales Engineer, Sealed Media

1998 – 2000

- Delivered technical demos and support to clients including National Geographic, Franklin Covey and Sony.

Founder & Developer, ChristmasTreesOnline.com

1998 – 1999

- Built a full LAMP-stack e-commerce site for online Christmas tree sales; secured TV coverage on KTLA 5.

3D Animation Professor, College of the Canyons

1994 – 1999

- Youngest professor in 3D/2D animation and programming; developed curricula and projects in 3D Studio Max and related tools.
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Technologies & Skills

- **LLMs & RAG:** OpenAI, Anthropic, Open Source/Hugging Face, Google Gemini, Eleven Labs, Deepgram, Llama/Meta, Grok; Pinecone, Weaviate, Qdrant
- **Voice AI:** VAPI, Cartesia, Play.ai, Deepgram, OpenAI, ElevenLabs, Google/IBM/Microsoft APIs, Open Source Voice
- **Automation:** Make, Zapier, N8N
- **Prompt Engineering & Safety Testing** (LangSmith)
- **Document Automation & Dynamic Contract Generation**
- **Cloud & MLOps:** AWS, GCP, Azure, DigitalOcean, Docker

- **Languages & Frameworks:** PHP, Python, Node.js, LangChain
 - **Data:** SQL/NoSQL, CI/CD, GitHub Actions, Copilot
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Education

B.S. in Business Administration, Pepperdine University (1995 – 1998)

Awards, Certifications & Publications

Winner - VAPI 2025 Voice AI Build Challenge for Jiffly - 2025

AI Red Teaming - Professional (AIRTP+) Certified - 2025

Author - **AI To The Rescue**, published July - 2023