

## **B.T. Franklin**

Phoenix, Arizona

Applied AI Technical Lead

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## **Professional Summary**

Applied AI technical lead and software architect with 20+ years of experience across enterprise software, developer tooling, and product-facing systems.

- Focused on generative AI, large language models (LLMs), agentic systems, and AI product architecture.
- Experienced in moving emerging AI capabilities into useful engineering workflows and product experiences.
- Combines full-stack engineering depth with product thinking, UX sensibility, technical leadership, and published computational creativity research.

## **Core Expertise**

- Applied AI and Large Language Model (LLM) Systems
- Agentic Workflow Design and Evaluation
- AI Product Architecture
- Developer Experience and Platform Tooling
- Full-Stack Product Engineering
- Technical Leadership

## **Professional Experience**

### **Zilliant, Inc.**

*AI Tech Lead / Staff Software Engineer*

*April 2025 - Present*

- Serve as organization-wide AI technical leader, guiding engineering teams on adoption of large language models (LLMs), agents, evaluation practices, and modern AI development patterns aligned with business goals.
- Architected the company's first Model Context Protocol (MCP) server and directed implementation by a third-party contractor, opening new enterprise revenue opportunities.
- Drove broad adoption of AI tooling across engineering, contributing to a significant increase in developer productivity.

- Provided ongoing mentorship to engineers at all levels of seniority.

#### *Software Architect*

*August 2022 - March 2025*

- Designed and implemented a custom generative AI pipeline that enabled real-time integration of diverse pricing insights into customer-facing analytics experiences.
- Led integration of AWS QuickSight and Amazon Q, improving data visualization capabilities, accelerating user adoption, and enhancing customer decision support.
- Designed and launched the Zilliant Developer Experience (ZDX) CLI, streamlining internal and external developer workflows and substantially reducing configuration migration effort.
- Helped shape architectural direction across AI, analytics, and developer enablement initiatives.

#### *Staff Software Engineer*

*February 2020 - August 2022*

- Directed UI/UX strategy for enterprise Salesforce implementations, improving usability and aligning product experiences with business objectives.
- Developed strategic proof-of-concept solutions that influenced company-wide technology direction and adoption decisions.
- Facilitated collaboration across globally distributed teams to align implementation choices with broader technical strategy.

#### *Senior Software Engineer*

*January 2009 - September 2019*

- Championed adoption of Salesforce Lightning Web Components, contributing to major UI modernization and improved application performance.
- Led development efforts on SalesMax and mentored interns through successful product delivery, increasing usability and competitiveness.
- Contributed across full-stack engineering, front-end architecture, and product modernization initiatives over a decade of platform evolution.

## **Selected Founder-Led AI Products**

**RepoZest** - *Founder / Product Architect, 2026 - Present*

- Building an AI-powered organizational intelligence platform for GitHub repositories that analyzes architecture, contributor expertise, repository history, and live development activity to produce actionable engineering insights.

- Own end-to-end product execution, including opportunity definition, product strategy, system architecture, UX, AI pipeline design, GitHub integration model, and go-to-market positioning.

#### **Hiredar - Founder / Product Architect, 2025**

- Conceived, architected, and launched an AI recruiting platform focused on resume parsing, structured candidate extraction, and AI-assisted candidate-to-role matching.
- Led the full product lifecycle independently, including product strategy, application architecture, full-stack implementation, UX design, deployment, pricing model definition, and live-market validation.

### **Selected Open Source AI Work**

- Built and published open source AI and developer tooling spanning agent orchestration, AI grounding, prompt engineering, and engineering automation.
- Notable projects include agentic-django, a Django-native framework for multi-step agent workflows; compendiumscribe, a tool for generating structured knowledge compendiums for AI grounding; and promptdown, a structured prompt engineering library for modular large language model prompt design.

### **Additional Experience**

- **Senior Salesforce Engineer, Camping World, Inc.** (Sep 2019 - Feb 2020): Rewrote a complex store location management application using a more extensible architecture and modern development practices.
- **Senior Software Engineer, Confirma, Inc.** (2006 - 2008): Refactored medical imaging software, expanding clinical applicability and strengthening product value.
- **Senior Software Engineer, Teranode Corporation** (2005 - 2006): Built intuitive data-management interfaces that improved user productivity and accuracy.
- **Software Engineer, Digital Harbor, Inc.** (2000 - 2005): Developed data-driven user interfaces supporting strategic analysis and decision-making.

### **Research and Publications**

- Franklin, B.T. "Spooklight: A Generative Approach to AI-Driven Storytelling," *Proceedings of Generative Art Conference*, vol. 27, Dec. 2024, pp. 50-59.
- Franklin, B.T. "Resonant Element: An Application for the Continuous Generation of Pop-Inspired Music," *Proceedings of the 3rd Computer Simulation of Musical Creativity Conference*, Aug. 2018.
- Franklin, B.T. "SongSkill: A System for Continuous, Emotionally-Adaptive Music Generation," *Proceedings of Generative Art Conference*, vol. 19, Dec. 2016, pp. 124-37.

## Education

### Transylvania University, Lexington, KY

BA in Computer Science, 1997

Minor in Psychology

- Graduated with Honors
- Recipient of the Computer Science Award
- First student in school's history to complete three Senior Honors projects

## Skills

**Programming Languages:** Python, Java, JavaScript/TypeScript, Apex, Swift

**Technologies:** Large Language Model (LLM) Applications, Agentic Systems, Model Context Protocol (MCP), REST APIs, Salesforce Lightning, AWS QuickSight, Amazon Q, Visual Studio Code, oclif

**Methodologies:** AI Development, Prompt Engineering, Large Language Model (LLM) Evaluation, Agent Evaluation, Agile

**Other Skills:** Software Architecture, AI Product Architecture, Full-Stack Development, UI/UX Design, Developer Experience, Git, Perforce, Jira, Confluence, HTML/CSS