

Grant R. Lindsay

Principal Software Architect | Modernization Specialist

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Location: US

Executive Summary

Results-driven Principal Full-Stack Developer and Sole Proprietor of Fast Dog Coding, LLC with over 15 years of experience delivering enterprise-grade applications. Specialized in high-stakes legacy migrations, AI-driven automation, and modern cloud-native architecture for global organizations. Proven track record of architecting solutions for systems serving up to **80,000 global users** while maintaining a pragmatic, customer-focused approach to technical debt.

Technical Proficiencies

- **Languages:** JavaScript (12+ yrs), TypeScript (4+ yrs), Core Java, C++
 - **Backend:** Node.js (v20), Express, NestJS, OpenAI API, OpenRouter, RESTful APIs, GraphQL, Microservices
 - **Frontend:** Next.js (v16), React (v19), Angular (v19), TypeScript, Tailwind CSS, D3.js, Responsive UI/UX
 - **Data & Cloud:** PostgreSQL, Prisma, MongoDB, IBM Cloudant/CouchDB, DB2, AWS, Vercel, OpenShift, Docker
 - **Specialties:** LLM Integration & RAG, Vector Stores, Server-Driven UI, Enterprise Modernization
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Professional Experience

Fast Dog Coding, LLC | Pittsburgh, PA (Remote)

Principal Software Architect / Independent Contractor | May 2014 - Present

- Operate as a sole proprietor delivering custom application development for North American clients with global reach, ranging from lean startups to Fortune 500 enterprises.
- Spearhead end-to-end development lifecycles, from initial conceptualization and architectural design to cloud deployment and long-term maintenance.

Selected Engagements & Projects:

Modernization Lead: Edvisor (REDspace, Inc. for Kyndryl)

- **Impact:** Migrated a mission-critical Learning Management System serving **80,000 globally-dispersed employees** from legacy IBM Domino to a modern Node.js and MongoDB stack—before a hard platform sunset deadline.
- **Achievement:** Rewrote server-side architecture while maintaining API parity for the existing frontend, preserving continuity for learners and administrators at workforce scale.
- **Innovation:** Implemented complex MongoDB aggregation pipelines and a custom cron-style task manager for seamless two-way data integration during coexistence with legacy Domino.

Principal Developer: Digital Learning Guide (REDspace, Inc. for IBM)

- **Impact:** Served as the technical backbone for a **nine-year engagement**, evolving a global learning ecosystem that IBM relied on for worldwide workforce training.
- **Efficiency:** Designed a Worker Queue Node.js application that automated high-volume data synchronization and maintenance tasks, significantly reducing manual support overhead.
- **Scope:** Architected a comprehensive Reviewer dashboard and cost-reduction support tools using Angular, TypeScript, and IBM Cloudant on IBM Cloud.

Principal Full-Stack Developer: HomeSalesOne (KS2 Technologies, Inc.)

- **Impact:** Embedded as principal-level capacity on a multi-tenant enterprise platform serving home sales offices nationwide—from lead tracking through closing documentation—without slowing the in-house team's momentum.
- **Achievement:** Delivered high-impact features across the full stack: optimized queries across PostgreSQL, DB2, and IBM Cloudant; built responsive Angular interfaces; and architected Node.js APIs sized for enterprise transaction volumes.
- **Outcome:** Measurable improvement in platform reliability and feature velocity for the entire product team.

AI Architect: Portfolio Website (Fast Dog Coding, Internal)

- **Impact:** Server-driven portfolio site that demonstrates architectural capability while serving as the primary showcase for contract consulting prospects.
- **Achievement:** Built on Server-Driven UI: PostgreSQL stores pages, reusable sections, and join rows; a GraphQL read API feeds a fixed vocabulary of React section renderers. Next.js 16 App Router, Apollo Server 5, Prisma 7, Tailwind CSS v4.
- **Outcome:** The site is itself proof of the stack—an interactive demonstration of the exact technologies prospects would hire for, with the recursive twist that the site appears in its own project gallery.

Sherpa Software | Bridgeville, PA (Hybrid)

Senior Product Developer | May 2007 - May 2014

- **Compliance Attender:** Designed and engineered a high-performance C++ server add-in for real-time email interception and data-leakage prevention on IBM Domino.
- **Technical Challenge:** Mastered complex, undocumented mail flow integrations to ensure real-time evaluation without impeding server performance.

- **Mentorship:** Established a high standard for code quality and rapid feature delivery within a flat startup structure.
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Continuous Learning

- **Approach:** Lifelong learner who applies emerging technologies through hands-on R&D before bringing them to client engagements.
 - **Recent Focus Areas:** LLM integration & RAG, Next.js/React, NestJS, Machine Learning/AI, Microservices architecture, GraphQL, and Prisma ORM.
 - **Formal Coursework:** Specializations in React, Java Spring Boot, MySQL, Machine Learning/AI, and Microservices.
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Professional Testimonials

Grant "has a strong eye for clean, scalable TypeScript and a natural ability to solve complex architectural challenges without losing sight of the user experience."

– Luis Garcia-Perez, Lead Software Architect @ KS2 Technologies

"Grant is a very strong software engineer who is able to architect and implement complex solutions of any scale... he always proved himself to be the backbone of any project he was involved with."

– Andrew Hamilton, Director of Client Engineering @ REDspace

"A strong developer who is meticulous in his approach to code... He takes a customer-focused approach, always ensuring a clear ROI."

– Jenn Priske, Senior Executive @ REDspace Inc.