

Lee Martin

rightpathprogramming.com

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EDUCATION

- **Georgia Institute of Technology** Atlanta, GA
Bachelor of Science, Computer Science Aug 2011 – Dec 2013
- **Duke University** Durham, NC
Bachelor of Arts, Philosophy Aug 2005 – May 2009

CERTIFICATION

- **Amazon Web Services**
• *AWS Certified Generative AI Developer – Professional* December 2026
AWS Certified Developer – Associate

EXPERIENCE

- **Mealvana** Birmingham, AL
Cofounder and Chief Technical Officer Oct 2021 – Present
 - Lead software engineer for Mealvana and Mealvana Endurance, two meal planning mobile and web apps for endurance athletes and general audiences, built using Flutter, TanStack Start, and a Supabase backend.
 - Designed and shipped “Vana”, a multi-agent system for endurance-athlete nutrition using the Vercel AI SDK with orchestrated agents for race day nutrition, general advice, meal selection, and feedback, among other things.
 - Built semantic user-memory recall as well as recipe retrieval using pgvector embeddings giving RAG support for Vana.
 - Led our product research, synthesizing 100+ coach and dietitian interviews, and performing extensive prototype testing.
- **Right Path Programming** Birmingham, AL
Founder and Freelance Software Developer Jan 2023 – Present
 - Working with my clients’ ideas and visions, I sketched, built, shipped, and maintained dozens of mobile and web applications using varied languages and platforms (e.g., Flutter, Python, React, AWS), owning each engagement from estimate to delivery.
 - Effectively communicated technical concepts and details with often non-technical clients as well as occasional collaborators.
 - Handled contracts, invoicing, some marketing and sales, and ongoing support as a single-person LLC.
- **Blue Cross and Blue Shield of Alabama** Birmingham, AL
Senior Software Developer Summer 2016 – Fall 2021
 - As a full stack developer and member of the GroupAccess Team, I built various web applications on our portal integrating with our ProviderAccess, our mainframe system, and the wider Blue Cross network.
 - Languages and platforms used included Java, BitBucket, Angular, DB2, Jenkins, iBATIS, Liferay CMS, and Tableau.
 - Worked directly with business users to triage requests and ship fixes on a live, customer-facing system.

PROJECTS

- **Let's Go Birmingham:** Live at <https://letsgobirmingham.com/>, a curated events-discovery marketplace using TanStack and Convex for organizers to better market and for Birmingham natives to more easily find relevant events. Created an LLM pipeline which scrapes events from various other sites, filters out noise/spam, and helps me and other organizers compose stories and features, as well as a ML recommendation system ranking events for users based off of their preferences and browsing data.
- **Simple Food Log:** Privacy-first iOS eating-disorder recovery food journal built using flutter with photo logging, PDF reports, and provider sharing. Uses voice-enabled/photo LLM logging with strict guardrails hiding calorie/macro contents.
- **Gradus:** Built a harmony, counterpoint and composition tutor as a LangGraph agent. The graph tracks what the student has and hasn't mastered, picks the next exercise from a corpus of expert-annotated Beethoven and Mozart scores, answers questions and grades answers. Evaluated and fine-tuned an open-source music analysis model against hundreds of human-annotated scores.

PROGRAMMING SKILLS

- **Languages:** TypeScript, Dart, Python, SQL, JavaScript, Java, C, Assembly, PHP
- **AI / ML:** Vercel AI SDK, Anthropic and OpenAI APIs, LangChain, LangGraph, AWS Bedrock
- **Platforms:** Flutter, Supabase, Convex, TanStack Start, React, Next.js, Vercel, AWS (RDS, EC2, etc.)
- **Tools:** Git, Claude Code, Codex, Codemagic, Shorebird, Sentry, Mixpanel, Stripe, RevenueCat