

Brian L. Moore

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

Professional Summary

Full-stack developer and Information Technology & Informatics student (4.000 GPA) with demonstrated expertise in building and deploying production-ready web and mobile applications. Architected three live platforms spanning financial education, wellness coaching, and AI-powered learning — each featuring multi-role authentication, database-layer security, and cloud deployment. Proficient across the modern JavaScript/Python stack with hands-on experience in React, React Native, Django, TypeScript, PostgreSQL, and AWS. Backed by professional certifications from Harvard (CS50x), Georgia Tech (Full Stack Flex), IBM, and Meta, along with eight years of client-facing project management in a prior career. All projects built and deployed independently in a fully remote workflow, demonstrating strong self-direction, asynchronous communication, and distributed collaboration skills. Seeking remote opportunities.

Technical Skills

| Category | Technologies |
|---------------------|--|
| Languages | Python, JavaScript, TypeScript, HTML5, CSS3, SQL |
| Frontend | React 18, React Native, Expo, Vite, TailwindCSS, NativeWind, shadcn/ui, Radix UI |
| Backend | Django REST Framework, Node.js, Supabase Edge Functions, REST APIs, GraphQL |
| Databases | PostgreSQL (RLS, 3NF), MySQL, MongoDB, Supabase, AWS RDS |
| Cloud & DevOps | AWS (Elastic Beanstalk, S3, Amplify, RDS), Firebase (FCM), Heroku, Git, CI/CD |
| Auth & Security | JWT (refresh tokens, Axios interceptors), Row-Level Security, COPPA compliance, input sanitization |
| APIs & Integrations | Stripe (subscriptions, billing portal), Microsoft Graph API, Anthropic Claude API, Crypto.js |
| Tools & Methods | Agile/Scrum, Zustand, TailStack Query, AsyncStorage, Web Scraping, Responsive Design |

Experience

Full-Stack Developer | Self-Employed | McDonough, GA

March 2025 – Present

Designed, built, and deployed three production applications as sole developer, managing the full software lifecycle from database schema design through cloud deployment and ongoing maintenance.

CryptoPlay Adventures — *Financial Education Platform for Children*

crypto-play.io

- Architected a COPPA-compliant platform for ages 8–17 using React 18, TypeScript, Vite, and Supabase, supporting four distinct account types (parent, child, student, educator) with role-specific dashboards and permissions.
- Designed a 3NF-normalized PostgreSQL schema with Row-Level Security policies to isolate family data and enforce authorization at the database layer, informed by a comprehensive security audit.
- Integrated Stripe subscription billing (\$5/month tiers with free trials) via Supabase Edge Functions, including a customer-facing billing portal.
- Built a resumable quiz engine with session persistence, a virtual cryptocurrency trading simulator, and gamification mechanics (XP, levels, badges, pets, quests).
- Implemented rate-limited authentication with 30-minute activity timeouts, 5-attempt lockout, and centralized input sanitization through a dedicated security module.

AllInFitnessGroup — *Wellness Tracking Platform*

allinfitnessgroup.com

- Built a full-stack fitness coaching platform with a React Native mobile app (iOS/Android) and Django REST API deployed to AWS Elastic Beanstalk, currently serving 10+ active users.
- Implemented JWT authentication with automatic token refresh via Axios interceptors and integrated Microsoft Graph API for Outlook calendar booking and automated coach email workflows.
- Delivered client profiles, workout/meal/water logging, weekly progress tracking, a social community feed, and a gamification layer (XP, Bronze-to-Diamond progression, badges, streaks).
- Configured Firebase Cloud Messaging for cross-platform push notifications and AWS S3 for secure media storage.
- Engineered a custom SVG icon system and a strict design token system built on a 4px spacing grid for consistent UI across platforms.

Minted Minds — *Full-Stack Educational Web & Mobile App*

- Architected and shipped a cross-platform financial literacy app (Web, iOS, Android) from zero to production using React Native, Expo Router, TypeScript, and NativeWind v4 (Tailwind CSS).

- Built a REST API integration layer connecting to the Anthropic Claude API via native fetch, implementing a dynamic system prompt engine that injects real-time user context (current module, progress state, missed quiz questions) into every AI request.
- Designed and implemented 7 interactive financial simulation components (compound interest calculator, credit score simulator, loan repayment modeler, paycheck tax breakdown, and more) with live state-driven UI updates.
- Engineered a client-side state management system using Zustand with AsyncStorage persistence, managing cross-session progress tracking, quiz scoring, and chat history across multiple stores.
- Built a full marketing landing page with hero section, features grid, and CTA — alongside a web app shell with responsive navigation, animated transitions, and a dark/light theme system that persists across sessions.
- Implemented a JSON-driven content architecture supporting 7 curriculum modules, each with 5 lesson steps and a scored exit quiz — enabling content updates without code changes.
- Wrote a context-aware AI Study Buddy that uses the Socratic method, adapts to each student's quiz performance, and is accessible from every screen via a floating action button.
- Configured end-to-end build pipeline for Web, iOS, and Android from a single codebase using Expo SDK 54 with platform-specific UI branching.

Head Sound Engineer | FAIS-ONE Entertainment | McDonough, GA

April 2014 – June 2022

- Managed 500+ client projects over eight years, delivering high-quality audio production under tight deadlines while maintaining strong client relationships.
 - Oversaw scheduling, invoicing, accounts payable, and cross-team collaboration, developing project management and communication skills directly transferable to software development.
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Education

Mercer University | Macon, GA

Bachelor of Science in Information Technology & Informatics

Expected Graduation: May 2026 | Cumulative GPA: 4.000

- **Certificate:** Database Design and Analytics
 - **Awards:** Harris-Davis Transformational Power of Education Award — Mercer College of Professional Advancement
 - **Honor Societies:** The Honor Society of Phi Kappa Phi | Upsilon Pi Epsilon (UPE) — Computing and Information Disciplines | Alpha Sigma Lambda Honor Society
 - **Recognition:** President's List and Dean's List (every term)
 - **Relevant Coursework:** Database Design I & II, Systems Analysis and Design, Human-Computer Interaction & Usability Study, Digital Logic and Programming, IT Innovation and Informatics, Web Development, Graphics and Interface Design, Software Application Development and HCI, Programming Concepts, Decision Theory
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Certifications

| Certificate | Issuer | Date |
|---|--|--------------|
| CS50x: Introduction to Computer Science | HarvardX (edX) — Verified Certificate | January 2023 |
| Full Stack Flex Web Development | Georgia Institute of Technology — Program Completion | March 2023 |
| Python for Data Science, AI & Development | IBM (Coursera) | July 2023 |
| Introduction to Back-End Development | Meta (Coursera) | August 2023 |
| Programming in Python | Meta (Coursera) | August 2023 |
| Version Control | Meta (Coursera) | August 2023 |
| What is Data Science? | IBM (Coursera) | May 2024 |