
Michael Miller

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Summary

Lead Software Engineer and Technical Leader with 15+ Years of Experience Delivering End-to-End Cloud Solutions

Experience

Acxiom LLC

Expert Solutions Developer • Conway, AR

01/2011 - Present

- Owned and scaled real-time credit card offer APIs processing 5M+ daily transactions with >99.99% uptime.
- Led migration of legacy on-prem services to AWS (API Gateway, ECS) using Terraform and Jenkins, improving scalability, reliability, and deployment velocity.
- Designed and maintained cross team database schemas across Oracle, PostgreSQL, and SQL Server, ensuring data integrity and performance at scale.
- Built secure data exchange tooling using hashing algorithms and JSON Web Encryption (JWE) to protect PII across distributed systems.
- Developed multithreaded Python pipelines to process high-volume offline transactions, shifting workloads to off-peak hours and reducing system load.
- Integrated with external platforms (e.g., TransUnion) and internal tooling (e.g., Retool) via robust .NET Core APIs.
- Led the design and implementation of a custom rules engine for automated marketing lead risk assessment.
- Designed and implemented a SharePoint-based access management system, streamlining permissions for hundreds of users across UNIX, Oracle, and SharePoint.
- Interviewed, onboarded, and mentored engineers, contributing to long-term team growth and technical excellence.

Mavis Meds

Co-Founder / Developer • Remote

05/2024 - 10/2025

- Designed and built the end-to-end telemedicine platform, including sign-up, scheduling, prescription processing, and follow-up workflows, using React, Node.js/Fastify, Hasura, and PostgreSQL.
- Deployed and operated the company's GraphQL (Hasura) infrastructure, implementing secure authentication using JWTs and Google Cloud IAP
- Deployed applications to GCP Cloud Run containers, ensuring scalable, resilient, and secure cloud infrastructure.
- Monitored system performance and optimized database scaling, reducing costs while maintaining responsiveness and uptime.
- Owned platform maintenance and support, resolving bugs and production issues to ensure a seamless patient and clinician experience.
- Streamlined workflows from sign-up to prescription fulfillment, improving patient conversion and retention.

Modulus Co LLC

Co-Founder / Developer / Instructor • Little Rock, AR

04/2021 - 05/2022

- Co-founded a technical education and development studio focused on Unreal Engine and real-time systems.
 - Designed and taught curriculum covering AI behavior trees, state machines, and systems architecture.
 - Built reusable C++ libraries and demo projects, emphasizing performance, modularity, and maintainability.
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Education

University of Arkansas at Little Rock

M.S., Computer Science • Little Rock

05/2019

University of Central Arkansas

B.S., Computer Science • Conway

12/2011

Links

michaelalanmiller.dev

Skills

Javascript, Typescript, Python, C#, Node.js, GraphQL, .NET, GCP, AWS, PostgreSQL, SQL Server, Oracle, Hasura, Docker, Terraform, Jenkins, System Design, Event-Driven Architecture