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# Michael Miller

Little Rock, AR

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(501) 499-2411

## Summary

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

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## Experience

### HenryMeds

Engineering Manager • Remote

08/2023 - Present

- Conducted and led hundreds of technical interviews, scaling engineering headcount while maintaining a high technical bar.
- Directed multiple teams within the Internal Applications organization, overseeing delivery of mission-critical enterprise systems.
- Founded and scaled the Process Automation team, eliminating tens of thousands of manual hours annually through workflow automation and system integration.
- Led delivery of high-impact initiatives including HRT and Bulk Ordering, enabling new revenue streams and significant operational efficiencies.
- Oversaw the Clinical Integration team, delivering pharmacy and clinical system integrations that enabled in-house medication compounding.
- Established and facilitated a monthly backend engineering forum, improving cross-team alignment, architectural consistency, and shared ownership of technical standards.

### HenryMeds

Senior Software Engineer • Remote

08/2022

- Joined as the first engineer, establishing core architecture and scaling systems to support one of the fastest-growing startups in the U.S.
- Designed and implemented the medication processing platform, supporting hundreds of thousands of prescriptions annually with strict accuracy and compliance requirements.
- Deployed and operated the company's GraphQL (Hasura) infrastructure, implementing secure authentication using JWTs and Google Cloud IAP.
- Led a full overhaul of the customer journey, migrating off a third-party sales platform and saving ~\$500K annually.
- Built backend services supporting clinician management workflows, from eligibility and prescribing to scheduling and fulfillment.

### Modulus Co LLC

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

04/2021

- 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.

### Acxiom LLC

Expert Solutions Developer • Conway, AR

01/2011

- 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.
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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

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## Links

[michaelalanmiller.dev](http://michaelalanmiller.dev)

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## Skills

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