

Anusha Mogallapu

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I am an engineering leader with over 12 years of experience building scalable production systems and zero-to-one products across enterprise environments. I bring an inquisitive mindset to my work and enjoy learning how systems work beneath the surface. I also spend time exploring emerging areas and best practices in software engineering and experimenting with new ideas.

Experience

Nov' 23 - Present, Director of Engineering at EvidenceCare

I currently lead multiple backend engineering teams across products, guiding architecture decisions and driving end-to-end implementation. I also mentor developers to strengthen ownership and systems-level thinking.

- Architected and implemented a LangGraph-based AI agent platform on EKS with Bedrock, enabling multi-step LLM reasoning over structured encounter data and unstructured clinical notes with built-in observability, checkpointing, evals, modular orchestration, and efficient context management.
- Architected a content-agnostic framework to deliver content from multiple providers seamlessly into a unified UI.

May' 22 - Nov' 23, Principal Engineer at EvidenceCare

Built and owned a flagship healthcare product from zero to production in a startup environment, designing and implementing secure clinical data ingestion, HL7 connectivity, backend services, application workflows, and reporting from scratch.

- Developed the company's first production ML prediction layer using clinical encounter data, owning data collection, feature engineering, model development, evaluation, and deployment to Snowflake.
- Designed and implemented a Redis-backed caching strategy for external content provider data, improving content retrieval performance, reducing latency, and enhancing the end-user experience.

Feb' 13 - May' 22, Senior Software Engineer at The Mosaic Company

Led the design and implementation of enterprise knowledge management solutions for global teams.

- Built and managed Azure-based data pipelines to process high-volume operational and customer data.
- Designed and maintained Tapestry, a platform improving operational efficiency in the utility and energy industry.

Mar' 11 - Feb' 13, Software Developer at Voith

Led the design of several web applications using ASP.NET, SQL, and jQuery Mobile.

Education

Jan' 09 - Dec' 11, Missouri S&T, Master's in Information Science and Technology

Aug' 03 - May' 07, JNTU, Bachelor's in Electronics and Telematics

Skills

AI / ML: TensorFlow, Scikit-learn, LangGraph, Agentic AI, Skforecast, Langfuse, MCP

Cloud / Infrastructure: AWS, Kubernetes, Docker, Azure

Databases & Messaging: PostgreSQL, SQL Server, Redis, RabbitMQ

Programming: Python, PyTorch, TensorFlow, TypeScript, C#, Java