Bobby **Lindsey**

PRINCIPAL AI SOLUTIONS ARCHITECT · TECH LEAD · DATA SCIENTIST

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Summary

Machine Learning Operations leader with 13+ years designing, scaling, and operationalizing production ML systems. Trusted executive advisor to Fortune 500 companies, shaping MLOps and LLMOps strategies from roadmap definition through hands-on implementation. Industry voice in MLOps and LLMOps, delivering in-person and virtual workshops to audiences of 200+ at global conferences including re:Invent and MLOps World.

Proven revenue and impact driver, averaging $30M annually in my most recent employment through technical leadership, GTM strategy, and customer enablement. Known for translating best practices into repeatable playbooks, enabling field teams and engineering leaders to accelerate adoption, reliability, and business outcomes.

Experience

Principal AI/ML Specialist Solutions Architect

AMAZON WEB SERVICES, INC.   *2025 - Present*

- Global technical owner for Amazon SageMaker AI open-source strategy, influencing product direction and ecosystem adoption
- Defined and executed GTM strategy for SageMaker AI operations tooling, aligning product, sales, and field enablement
- Active open-source contributor and thought leader across projects like LiteLLM, CrewAI, and OpenLLMetry, shaping industry practices beyond AWS

Senior AI/ML Specialist Solutions Architect

AMAZON WEB SERVICES, INC.   *2022 - 2025*

- Primary technical advisor to Fortune 500 executives and platform leaders, guiding enterprise-scale AI and MLOps strategy
- Designed and led mult-org MLOps and LLMOps implementations across multiple customer engagements, achieving outcomes such as 30x reduction in time-to-production and building highly resilient architectures at scale with support for workload isolation, high availability, and failure containment, providing near-100% uptime and capacity for 3x compute growth
- Technical lead for MLflow on SageMaker AI launch, exceeding year-ove-year growth expectations by 200%+
- North America MLOps and LLMOps lead, creating standardized best practices, reference architectures, and internal documentation to upskill global field teams

AI/ML Specialist Solutions Architect

AMAZON WEB SERVICES, INC.   *2020 - 2022*

- Strategic advisor to security and fintech organizations, partnering with directors and ML engineering leads
- Delivered high-impact ML systems, including transformer-based incident management reducing triage effort by 80%, petabyte-scale pipelines cutting processing from days to hours, and production MLOps workflows reducing deployment timelines by 300%+
- Contributed production features to Amazon SageMaker, including lineage support for feature stores

Solutions Architect

INNOVATION AND DIGITAL SERVICES, TECHNIPFMC, INC.   *2019 - 2020*

- Architected and delivered enterprise Datalake 2.0 on AWS, increasing compute capacity, accelerating experimentation, and materially reducing costs
- Introduced agile delivery practices across data science and application teams
- Established infrastructure-as-code best practices, enabling repeatable, source-controlled research and production deployments

Senior Data Scientist

DIGITAL SERVICES AND INNOVATION, TECHNIPFMC, INC.   *2017 - 2020*

- Built inventory optimization models driving material reductions in excess stock and operating costs
- Productized predictive models as APIs, increasing reuse and developer productivity

Application Developer

ENTERPRISE APPLICATIONS, FMC TECHNOLOGIES, INC.   *2012 - 2016*

- Co-created a globla service application with 1000+ daily users across multiple countries
- Automated cross-system billing workflows, eliminating manual data entry
- Decreased service time of products by building custom APIs to collect and process service data
- Reduced IT Service Desk workload by 10% through creating self-service web applications

Education

Tarleton State University

M.S. IN MATHEMATICS, DATA MINING   *2018*