

Michael Tuszynski

Experienced Engineering Leader with 25+ years of technology expertise seeking a senior technical leadership role. Combining extensive experience in digital transformation and cloud architecture with current focus on AI innovation. Demonstrated success scaling engineering teams from startup to enterprise while delivering measurable results: 30% cloud cost reduction with 99.99% reliability, 70% faster deployment cycles, and effective mentorship of engineering leaders in AI/ML implementation. Skilled at combining strategic vision with hands-on expertise to build high-performing teams that deliver scalable solutions processing petabytes of data.

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WORK EXPERIENCE

Presidio

Principal Architect, Remote

July 2025-present

- Driving digital services sales strategy in partnership with sales teams, focusing on application modernization, AI solutions, and data platform modernization to exceed revenue objectives
- Leading pre-sales discovery and technical opportunity leadership for AWS application modernization engagements, conducting customer workshops to document current state and define target architectures
- Architect end-to-end solutions for enterprise clients, creating compelling technical proposals with detailed roadmaps, diagrams, and ROI analysis for C-suite stakeholders
- Serving as trusted advisor between customers, sales, and delivery teams, ensuring successful implementation of micro-services, event-driven architectures, and cloud-native frameworks
- Leading application modernization assessments for legacy systems, designing containerization strategies using EKS, serverless architectures with Lambda, and API-first approaches
- Collaborating with AWS partner teams to execute GTM strategies and leverage ecosystem solutions for customer success
- Delivering modern application architectures incorporating LLMs and agentic AI solutions for Financial Services, Healthcare, and Manufacturing verticals
- Managing technical aspects of RFP/RFI responses and statements of work, ensuring viable solution approaches aligned with customer outcomes

MPT Solutions

Independent Consultant

April 2024 - June 2025

- Spearheaded implementation of robust CI/CD pipeline reducing deployment times by 70%
- Led end-to-end development of scalable cloud-native platform reducing time-to-market by 50%
- Managed cross-functional teams delivering complex projects on time and within budget
- Implemented security checks and compliance frameworks across multiple client environments

Amazon Web Services (AWS), San Francisco, CA

Senior Solutions Architect

Dec 2017 - Mar 2024

- Architected cloud-native solutions for enterprise clients across various industries
- Led technical discovery and solution design for complex migration projects
- Specialized in containerization strategies using ECS, EKS, and Fargate
- Achieved consistent cost optimization results exceeding 30% for client infrastructures
- Mentored junior architects and provided technical guidance to sales teams

Fandor, San Francisco, CA

Chief Technology Officer

Jan 2014 - Nov 2017

- Led complete platform modernization, transitioning from monolithic Ruby on Rails architecture to scalable API-driven microservices approach, resulting in 40% improved performance
-

Pioneered advanced content recommendation engine utilizing collaborative filtering and natural language processing, increasing viewer engagement by 65% and content discovery across the catalog

- Secured strategic partnership with Amazon Video, creating dedicated Fandor channel that expanded audience reach by 3M+ viewers while opening new revenue streams
- Strengthened platform security through comprehensive audit and implementation of industry-leading compliance measures, including SOC 2 certification and GDPR readiness
- Designed multi-CDN caching strategy with intelligent content distribution algorithms that prioritized trending content, reducing buffering by 75% and enhancing viewer experience
- Developed sophisticated financial analytics platform that ensured transparent revenue sharing with content creators, increasing filmmaker satisfaction and content acquisition success
- Optimized cloud infrastructure by eliminating redundant resources and implementing AWS managed services, achieving 30% cost reduction while improving system performance

Flashtalking, Inc., San Francisco, CA

US Director of Technology

Jan 2012 - Dec 2013

- Led a team of 10 technology professionals, overseeing the successful implementation and maintenance of cutting-edge IT infrastructure, resulting in a 30% improvement in system efficiency and a 50% reduction in operational costs.
- Collaborated with cross-functional teams to drive innovation and digital transformation initiatives, leveraging emerging technologies such as artificial intelligence and cloud computing
- Maintained and improved real-time ad serving platform processing 50B+ monthly impressions, achieving 99.999% reliability while reducing data processing latency by 65%, enabling effective campaign optimization for major global brands
- Spearheaded migration to microservices architecture, reducing deployment times by 70% and enabling the team to implement 3x more features quarterly while maintaining code quality standards

PointRoll, Philadelphia PA

Director Technical Services

Jan 2006 - Dec 2014

- Led Ad Server Engineering and Platform Engineering teams
- Managed IT infrastructure projects achieving 20% YoY cost savings
- Enhanced technical support services increasing satisfaction by 30%
- Implemented disaster recovery reducing downtime by 50%
- Optimized system architecture reducing infrastructure costs by 35% while improving performance

Early Career History

Various

2001-2006

- Gartmore Global Investments | Web Developer | 2004-2006
- Towers Watson | Systems Analyst | 2001-2004

EDUCATION

Saint Joseph's University, Philadelphia, PA

Bachelor of Science (B.S.) - Management Information Systems

Aug 1997 - Jun 2001

PROJECT

Falls Risk Prediction in Elderly Population

Spring 2025

- Final Project for UC Berkeley ML/AI Professional Certificate
- <https://github.com/michaeltuszynski/mlaicapstone-final>
- Falls prevention represents one of healthcare's most pressing challenges for our aging population. Through this project, I developed a machine learning model that identifies elderly individuals at risk of falls using data from the National Health and Aging Trends Study (NHATS). With one in four

Americans aged 65+ experiencing falls annually and medical costs exceeding \$50 billion, early risk identification can significantly impact both quality of life and healthcare costs.

SKILLS

- AI/ML Technologies: TensorFlow, PyTorch, MLOps, LLMs, AI Infrastructure
- Cloud & Infrastructure: AWS (EC2, Lambda, S3, RDS, DynamoDB), Kubernetes, Docker, Terraform
- Programming: Python, TypeScript, Java, Golang, C# (.NET)
- Databases: PostgreSQL, MongoDB, Redis, Elasticsearch
- Observability: Datadog, CloudWatch, New Relic
- CI/CD: GitHub Actions, Jenkins
- Web Technologies: React, Node.js

Certifications

- UC Berkeley Executive Education - Professional Certificate in Machine Learning and Artificial Intelligence https://pdf.credential.net/v1eu2v6w_1744206296350.pdf
- AWS Certified DevOps Engineer – Professional
- AWS Certified Solutions Architect – Professional
- AWS Certified Developer Associate
- AWS Certified SysOp Associate