

Vamsi Munagala

Associate Director, AI/ML

Technology and AI architecture leader with 17+ years of experience designing enterprise-scale cloud and AI platforms across highly regulated industries including healthcare, education and government environments. Proven ability to define scalable AI architectures and governance frameworks that enable organizations to deploy advanced analytics, machine learning, and generative AI capabilities securely and responsibly. Experienced translating emerging AI technologies—including LLM-based systems, retrieval-augmented generation, and intelligent automation—into production-ready solutions aligned with enterprise architecture standards, regulatory requirements, and operational reliability.



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WORK EXPERIENCE

Associate Director AI/ML Protiviti

03/2025 - Present

Achievements/Tasks

- **Orchestrate end-to-end enterprise AI/ML workflows**, delivering production-grade systems spanning **data ingestion, model training, inference, evaluation, deployment, monitoring, and governance** for Fortune 500 clients.
- **Establish AI governance practices and architectural guardrails**, implementing **AI security controls and enterprise risk management frameworks (NIST AI RMF, ISO 23894)** to ensure safe, compliant, and reliable AI systems.
- **Architect enterprise-scale AI solutions** integrating advanced analytics, machine learning, and **generative AI (LLMs, RAG, and agentic systems)** across cloud platforms, data pipelines, and operational systems.
- **Design AI solutions supporting risk evaluation, anomaly detection, and compliance-driven workflows** across **highly regulated enterprise environments including healthcare, financial services, and government sectors.**
- **Define enterprise AI architecture blueprints and reference patterns** across multi-cloud platforms, establishing **secure-by-design principles, resiliency standards, and scalable AI platform architectures.**
- **Partner with senior executives and technology leaders** to translate complex business challenges into **actionable AI product roadmaps**, guiding discovery workshops and designing **cloud-scale ML and GenAI architectures** aligned with strategic outcomes.
- **Develop reference architecture patterns and reusable frameworks** for scalable AI platforms, including **data pipelines, model lifecycle management, LLMOps/MLOps pipelines, and evaluation frameworks.**
- **Lead cross-functional teams of engineers and data scientists** delivering **production AI platforms and intelligent automation solutions** across multiple enterprise environments.
- **Own internal AI platform and IP development** for Protiviti's AI Studio, building **reusable GenAI accelerators, evaluation frameworks, and reference implementations** that improve scalability and reduce delivery timelines.
- **Serve as a trusted executive advisor to C-suite stakeholders**, delivering differentiated AI solutions and **consistently exceeding annual revenue targets (~\$1.9M+).**



SKILLS

Cloud Adoption Framework

Well-Architected Framework

Distributed Systems

Solution Architecture

AI

ML

Generative AI Solutions

LLMs

RAG

Agentic AI

Vector Databases

Multi-Agent Systems

Model Deployment

Model Monitoring

Microsoft Foundry

SageMaker

Data

Cloud Infrastructure

Cloud Migration

Serverless

App Modernization

Containerization

Cloud-native

Automation

DevSecOps

MLOPS

LLMOps

Cloud Security

Monitoring

Governance

Resiliency

Reliability



WORK EXPERIENCE

Senior Solutions Architect

Insight Enterprises Ltd

06/2019 - 02/2025

Atlanta, GA

Achievements/Tasks

- **Designed and implemented enterprise-scale cloud infrastructures** across Financial Services, Healthcare, Government, and Retail, applying Azure Cloud Adoption and Well-Architected Frameworks to drive **25% improvement in operational efficiency**.
- **Architected and deployed AI/ML solutions at production scale** for retail and healthcare clients, delivering predictive analytics and customer-behavior models using **TensorFlow, Azure ML, Kubernetes**, and automated **MLOps/DevOps pipelines**.
- **Led multi-year on-prem to Azure modernization**, containerizing legacy applications and introducing CI/CD automation that **reduced deployment cycles from quarterly to weekly**, significantly accelerating release velocity.
- **Delivered a full Business Continuity & Disaster Recovery (BCDR) program** using Azure Site Recovery, achieving **99% SLA compliance** and reducing system downtime by **60%** for a major retail POS platform.
- **Served as SME for zero-trust and cloud security architectures**, implementing identity, access, and network controls across ML/LLM environments to ensure compliance with enterprise and regulatory security standards.
- Directed **cloud-native modernization** efforts using microservices, FaaS/PaaS architectures, containerized platforms, and **DevSecOps pipelines**.
- **Drove a high-impact FinOps optimization initiative**, analyzing Azure cost patterns via Cost Management, Monitor, and automation scripts—eliminating over-provisioned resources and generating **\$2M in annual ROI**.
- **Expanded FinOps and MLOps adoption across multiple business units**, enabling reusable Cloud Adoption IP and contributing to a **20% increase in sales pipeline** through strategic collaboration with sales and delivery teams.
- **Mentored cross-functional engineering teams**—developers, data scientists, and ML engineers—fostering strong AI/ML solution development capabilities across the organization.

Lead Technical Consultant

Perficient, Inc.

02/2016 - 06/2019

Los Angeles, CA

Achievements/Tasks

- **Directed end-to-end design and deployment of scalable cloud architectures**, leading enterprise transitions to Azure and Office 365 and delivering a **25% reduction in infrastructure costs** and **30% improvement in client productivity**.
- **Led complex cloud migration programs** for mid- to large-scale enterprises, modernizing legacy applications and content platforms to Azure Cloud and ensuring seamless adoption with minimal downtime.
- **Drove post-migration optimization initiatives**, improving collaboration, data accessibility, and operational workflows, resulting in a **30% increase in cross-team productivity** and enhanced organizational efficiency.
- **Partnered with technical and business stakeholders** to assess cloud readiness, establish modernization roadmaps, and implement governance, security, and scalability best practices aligned to enterprise cloud frameworks.



TECHNICAL SKILLS

Cloud Platforms

Azure, AWS

Programming

Python, C#, Bash, PowerShell, React

Cloud Infrastructure

Azure Virtual Machines, Azure Networking, Azure Load Balancers, Azure Site Recovery, Azure App Gateway, Azure Firewall, Azure Storage

Cloud Platform

Azure Functions, Azure App Services, Azure Service Bus, Azure Event Hub AWS Lambda, AWS Step Functions, API Gateway

Generative AI & LLM Systems

LLMs (GPT4, Claude, Llama/Mistral), RAG, Hybrid Search (BM25 + Vector), LLM Evaluation (recall@k, precision@k, grounding, hallucination detection), Fine-Tuning (LoRA / QLoRA), Agentic AI & Multi-Agent Orchestration

Data & AI

Azure OpenAI, Azure ML, Azure AI Foundry, Azure Databricks AWS Bedrock, AWS SageMaker, Vector Databases (FAISS, Pinecone, Azure AI Search)

AI/ML Frameworks

TensorFlow, Langchain, HuggingFace, Semantic Kernel

Containerization

Docker, Kubernetes, AKS, Azure Container Apps

Infrastructure as Code

CloudFormation, Terraforms, Bicep, ARM

Monitoring & Observability

Azure Monitor, Log Analytics, Prometheus, Grafana, Prometheus, Grafana

Operations

CI/CD Pipelines, Automation, DevOps, MLOps, LLMOps, Ansible

Security

Zero Trust, Azure Security Center, Azure Sentinel

Governance

Azure Policy, Responsible AI, NIST AI RMF



WORK EXPERIENCE

SharePoint Architect

SADA Systems

09/2011 - 02/2016

Los Angeles, CA

Achievements/Tasks

- **Established and scaled the SharePoint delivery practice** within the Office 365 team, driving a **40% increase in services revenue** and positioning the practice as a core modernization offering.
- **Led end-to-end architectural planning, governance design, and migration strategies** for SharePoint and Office 365 solutions across diverse industries, resulting in **30% improvement in productivity and client satisfaction**.
- **Served as SME and technical trainer**, guiding the migration of legacy SharePoint environments for **25+ enterprise clients**, improving collaboration, workflow automation, and content accessibility.
- **Led a cross-functional development team** to modernize legacy ASP and Access-based applications into Azure, achieving a **50% reduction in application response time** and **25% reduction in infrastructure costs**.

Technical Consultant

CASAH TECHNOLOGY

08/2009 - 09/2011

San Francisco, CA

Achievements/Tasks

- Facilitated the successful transition of over 40 Lotus Notes applications to the SharePoint platform, resulting in enhanced collaboration and productivity for client organizations.
- Leveraged SharePoint features to meet and exceed customer business and application requirements, resulting in a 25% increase in efficiency.
- Demonstrated proficiency in SharePoint architecture and customization, contributing to the optimization of client systems and processes.



CERTIFICATES

Azure Solutions Architect Expert (2024 - Present)

Microsoft

Machine Learning in Production (2024 - Present)

DeepLearning.AI

Supervised Machine Learning: Regression and Classification (2024 - Present)

DeepLearning.AI