

# Keerthi Damaraju

Solutions Architect | Enterprise AI Platforms | Digital Transformation  
+971 544915339 | [keerthidamaraju.ai@gmail.com](mailto:keerthidamaraju.ai@gmail.com)

## Executive Summary

- Solutions & Enterprise Architect with 12+ years of experience designing scalable enterprise platforms, digital ecosystems, AI-driven solutions, API architectures, and cloud-native distributed systems across telecom, healthcare, and enterprise operations. Proven expertise in solution architecture, enterprise integrations, microservices, digital APIs, event-driven systems, AI platforms, customer experience ecosystems, and operational intelligence solutions.
- Experienced in translating business and technical requirements into scalable architectural solutions aligned with enterprise strategy, governance, security, scalability, and operational efficiency objectives.
- Strong experience collaborating with cross-functional stakeholders including product, engineering, operations, UX/UI, infrastructure, cybersecurity, vendors, and executive leadership teams to deliver enterprise-scale digital transformation programs.

## Core Competencies

| Enterprise & Solution Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | AI & Digital Platforms                                                                                                                                                                                                                                                                                                                                                                                                   | Technologies & Tools                                                                                                                                                                                                                                                                                                                                | Cloud, Data & Security                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>▪ Enterprise Architecture</li><li>▪ Solution Architecture</li><li>▪ Integration Architecture</li><li>▪ API Architecture</li><li>▪ Cloud-Native Architecture</li><li>▪ Distributed Systems</li><li>▪ Event-Driven Architecture</li><li>▪ Microservices Architecture</li><li>▪ Enterprise Integration Patterns</li><li>▪ Technical Governance</li><li>▪ Architecture Standards &amp; Documentation</li><li>▪ High Availability &amp; Scalability</li><li>▪ Architecture Roadmaps</li><li>▪ Platform Engineering</li><li>▪ Omnichannel Digital Platform</li></ul> | <ul style="list-style-type: none"><li>▪ Generative AI</li><li>▪ LLMs &amp; RAG Architectures</li><li>▪ AI Agents</li><li>▪ Conversational AI</li><li>▪ Agentic AI</li><li>▪ Enterprise AI Platforms</li><li>▪ Recommendation Engines</li><li>▪ Predictive Analytics</li><li>▪ Fraud Detection</li><li>▪ AI Copilots</li><li>▪ Knowledge Graphs</li><li>▪ Explainable AI</li><li>▪ AI Governance &amp; Security</li></ul> | <ul style="list-style-type: none"><li>▪ Python</li><li>▪ FastAPI</li><li>▪ Databricks</li><li>▪ Apache Spark</li><li>▪ Kafka</li><li>▪ Airflow</li><li>▪ SQL</li><li>▪ Kubernetes</li><li>▪ Docker</li><li>▪ GitLab CI/CD</li><li>▪ REST APIs</li><li>▪ React.js</li><li>▪ Power BI</li><li>▪ Tableau</li><li>▪ JIRA</li><li>▪ Confluence</li></ul> | <ul style="list-style-type: none"><li>▪ AWS</li><li>▪ Azure</li><li>▪ Vector Databases</li><li>▪ Qdrant</li><li>▪ JanusGraph</li><li>▪ Cassandra</li><li>▪ DuckDB</li><li>▪ MinIO</li><li>▪ OAuth2 / OIDC</li><li>▪ RBAC / ABAC</li><li>▪ API Security</li><li>▪ IAM</li><li>▪ Audit Logging</li><li>▪ Secure Enterprise Integrations</li></ul> |

## Professional Experience

**AI Product Architect**  
Tulasea Inc. | Remote

May 2024 - Present

- Architecting enterprise AI and digital transformation platforms using scalable cloud-native and distributed architectures supporting intelligent healthcare and enterprise decision ecosystems.
- Designed enterprise-grade AI platform architectures integrating LLMs, RAG pipelines, vector databases, knowledge graphs, semantic search, workflow orchestration, and conversational AI systems.

# Keerthi Damaraju

*Solutions Architect | Enterprise AI Platforms | Digital Transformation*  
+971 544915339 | [keerthidamaraju.ai@gmail.com](mailto:keerthidamaraju.ai@gmail.com)

- Developed scalable microservices-based architectures enabling real-time contextual intelligence, recommendation systems, operational insights, and AI-assisted workflows.
- Designed secure API orchestration frameworks integrating enterprise systems, EHR platforms, operational systems, external APIs, and distributed enterprise applications.
- Led architecture definition for enterprise AI governance including authentication, authorization, explainability, observability, auditability, data privacy, and regulatory compliance.
- Designed graph-driven intelligence architectures using JanusGraph and Qdrant supporting relationship-aware recommendations and contextual reasoning systems.
- Collaborated with product, engineering, operations, infrastructure, cybersecurity, and executive stakeholders to align solution architecture with business transformation objectives.
- Established architecture standards, reusable integration patterns, technical documentation frameworks, and enterprise design principles for scalable AI adoption.
- Evaluated emerging technologies and defined enterprise architecture roadmaps for scalable AI platform evolution and operational optimization.

## Key Technologies

Python, FastAPI, Kubernetes, Docker, Kafka, Databricks, Qdrant, JanusGraph, AWS, Azure, OAuth2, OIDC, REST APIs, Vector Databases, Microservices, Event-Driven Architecture

**AI Solutions Architect**  
**Comcast | United States**

**Oct 2021 – Apr 2024**

- Architected enterprise AI and digital solutions integrating CRM, Order Management Systems (OMS), operational platforms, APIs, and distributed enterprise applications using event-driven architectures.
- Led enterprise-wide AI transformation initiatives involving Microsoft Copilot adoption, intelligent automation, conversational AI, operational intelligence, and AI-assisted productivity ecosystems across 1000+ users.
- Designed scalable enterprise integration workflows leveraging Kafka event streaming, Databricks, Apache Spark, APIs, and cloud-native platforms for high-volume operational ecosystems.
- Developed microservices-based enterprise architectures supporting real-time analytics, fraud detection, anomaly detection, recommendation engines, operational risk scoring, and workflow automation.
- Designed enterprise data ingestion and API integration frameworks enabling seamless interoperability between customer systems, operational systems, enterprise applications, and analytics platforms.
- Collaborated with cross-functional teams including product management, engineering, infrastructure, operations, cybersecurity, and vendor teams to ensure alignment with enterprise architecture principles.
- Contributed to architecture governance, CI/CD automation, observability, release management, deployment strategies, and cloud-native scalability initiatives.
- Developed executive dashboards and operational intelligence platforms using Power BI and Tableau supporting enterprise decision-making and KPI monitoring.
- Supported Kubernetes and Docker-based deployments ensuring scalability, resiliency, availability, and operational reliability of enterprise AI workloads.

## Key Technologies

Databricks, Apache Spark, Kafka, Kubernetes, Docker, Python, SQL, Power BI, Tableau, REST APIs, CI/CD, Event-Driven Architecture, Distributed Systems, Microservices

# Keerthi Damaraju

*Solutions Architect | Enterprise AI Platforms | Digital Transformation*  
+971 544915339 | [keerthidamaraju.ai@gmail.com](mailto:keerthidamaraju.ai@gmail.com)

## **Digital Transformation Manager** **AI Turki Enterprises | Sultanate of Oman**

**Apr 2017 - Mar 2021**

- Led enterprise-wide digital transformation initiatives involving SAP SuccessFactors, workforce management systems, enterprise workflow modernization, and process automation.
- Designed enterprise solution architectures, business workflows, integration models, technical specifications, and operational transformation roadmaps.
- Worked closely with business stakeholders, infrastructure teams, vendors, and implementation partners to ensure successful enterprise solution delivery.
- Designed reporting ecosystems, executive dashboards, and KPI frameworks supporting operational visibility and enterprise planning.
- Coordinated enterprise integration planning, UAT execution, production rollout strategies, and change management activities across multiple business units.
- Supported architecture alignment for enterprise security, governance, compliance, and scalable operational workflows.

## **Product Manager – Enterprise Solutions** **Lighthouse Consulting | Sultanate of Oman**

**Dec 2015 - Apr 2017**

- Led enterprise ERP and CRM transformation initiatives involving business process optimization, workflow automation, and enterprise integration strategies.
- Worked on enterprise solution design, API integration workflows, reporting systems, and customer-centric digital transformation initiatives.
- Collaborated with engineering and functional teams to define scalable technical solutions aligned with business objectives and operational requirements.
- Managed stakeholder workshops, BRDs, Agile delivery coordination, implementation tracking, and enterprise rollout activities.

## **Technical Systems Analyst** **Tata Consultancy Services | India**

**Jan 2014 - Jun 2015**

- Designed enterprise application solutions, technical workflows, and system integration architectures for global enterprise clients
- Worked on enterprise application modernization initiatives involving distributed systems and large-scale operational platforms
- Contributed to conversational AI innovation initiatives and AI-assisted enterprise application concepts
- Collaborated with development, QA, infrastructure, and client teams across full SDLC delivery cycles
- Supported deployment coordination, defect analysis, production support, and enterprise release activities

## **Education & Cultural Competency**

- Master's in Management Studies (MMS), Finance, Mumbai University, India
- Bachelor of Engineering (BE), Electronics & Tele-Comm, Mumbai University, India