Work History

Data Solution Architect
EPAM Systems | Jan 2022 - Present

GenAI Platform Architect: Mar 2024 – Present

Gen AI platform to establish core capabilities and architecture for future Gen AI solutions. Initially designed for Marketing use cases, the platform will eventually scale to support other business verticals.

- Identified and evaluated tech stack for RAG implementation, working with consultants and product team to build the GenAI Platform on Azure OpenAI, Mosaic AI, and Open-Source tech.

- Designed the workflows and configurable AI pipelines using Retool for marketing product team and defined integration strategies for components, like model, vector, and feature serving endpoints.

- Designed and conceptualized the platform architecture and engineering framework for RAG architecture and Agents.

- Enforced Responsible AI policies through robust guardrails and designed Azure APIM policies and load balancing approaches for backend (Databricks API endpoints, Azure Open AI).

- Implemented PromptOps and designed the FinOps reporting and chargeback model for the product team on the GenAI platform.

Enterprise Data Architect: Mar 2022 – Mar 2024

Developed a Cloud Data Warehouse Platform for a leading property restoration organization, providing data analytics and reporting on a comprehensive suite of claim and property data collection applications.

- Led stakeholder management and provided technical leadership.

- Built Data Engineering Architecture, Data Vault Modeling.

- Designed end-to-end data integration and ingestion architecture.

- Developed strategy for DevOps and CI/CD pipeline.

- Designed and implemented Azure Data Factory

Solution Architect Manager
Oracle Financial Software Services | Feb 2017 - Dec 2021

State Street Bank Global Market: Mar 2022 – Mar 2024

State Street Corporation is an American financial services and bank holding company. The bank was developing the Data platform to streamline the investment banking and portfolio management.

- Centralized scattered legacy data systems into a single source of truth, retiring legacy systems and reducing maintenance costs.

- Led technology team in implementing State Street Global Markets Data Lake, including data migration strategy, platform strategy, architecture, and design.

- Developed operation dashboards for enhanced custody transactional data and implemented a market surveillance.

- Designed multi-tenant architecture, data quality and governance framework, and data pipelines using Spark and Scala.

Manish Bhoge

Bangalore 560077

manish.bhoge@gmail.com

9886625049

Dynamic Data Solution & GenAI Platform Architect with 20+ years of experience building and mentoring high-performing data delivery teams. Expert in designing scalable data lakes, cloud Data warehouses, real-time pipelines, and deploying advanced AI solutions including generative AI, MLOps, LLMOps, and RAG strategies. Demonstrated leadership across Financial Services, Insurance, Retail, and CPG sectors, driving innovation and strategic growth in data and AI initiatives.

Skills

Data/Big Data Warehouse/Data Lake Architecture, Gen AI Engineering and Platform, EDW, Data Mart Design, Data Vault Modeling, Python ecosystem, LangChain, Lang Graph, SQL, PL/SQL, Hadoop & Spark ecosystem, Confluent Kafka, Snowflake, Azure Cloud, Azure Data Lake, Azure API Management, Databricks, Mosaic AI

***MLOps**: MLFlow **DevOps**: CI/CD pipeline, Azure DevOps*

- Executed production implementation, deployment, and support of Hadoop jobs.

Solution Architect – Pre – Sales – Solution & Offerings

- Led pre-sales activities in US, EMEA regions.
- Developed MVP and POC for Oracle Solution and offering team.

Sr. Data Architect, VISA – Aug 2017 - Nov 2018

Visa Offers Platform provides clients the ability to receive qualified transaction information for enrolled cardholders based on predefined offers. This Data platform developed for Revenue Data reconciliation

- Built a data platform for revenue reconciliation, including the integration of the Oracle Revenue Management and Billing (ORMB) platform and migration of the PoS transactional data warehouse to a big data warehouse.
- Designed and implemented a unified data platform for managing Global Card Billing, Transactions, Invoices, and Merchants, and reduced financial reconciliation cycle to intraday.
- Led the end-to-end implementation of Big Data warehouse development, including real-time data ingestion and integration framework, using Kafka and Spark Streaming.
- Worked with enterprise architects to source datasets from various business units and designed the data quality framework and governance around the data lake platform.
- Strategized data import/export from the Data Hub to analytics applications, downstream systems, and dashboards, and supported production implementation and deployment of Hadoop jobs.

Big Data Analytics Manager
AIG Data Services, Bangalore | Apr 2014 - Jan 2017

Big Data Architect, AIG Commercial – Aug 2015 - Jan 2017

AIG commercial Insurance unit wants to build framework to join external data sources with Enterprise Data to calculate the risk on the US ports

- Built a single source of truth from enterprise and external data for the commercial insurance, including a framework to join external data sources with enterprise data for risk analysis at U.S. ports.
- Designed and implemented a unified data platform for underwriters, policymakers, and risk management teams.
- Developed data architecture for risk exposure analysis, including a spatial data mapping framework for location-based joins.
- Led data engineering and analytics implementations, including statistical modeling, visualization, and dashboard design.

Big Data Architect, AIG Commercial – Apr 2014 - Aug 2015

AIG Infrastructure owners aim to analyze mainframe server resource utilization and ensure effective access to historical data. They seek to leverage this data for trend analysis, statistical modeling, and predictive modeling to anticipate resource consumption.

Certifications

- IIT Guwahati Post Graduate Certificate Program in Artificial Intelligence & Deep Learning, issued 2023
- edX Verified Certificate for Large Language Models: Foundation Models from the Ground Up
- Large Language Model Agents MOOC, Fall 2024
- KaggleX BIPOC Mentorship Program, Issued Nov 2023
- LLM101x: Large Language Models: Application Through Production
- Microsoft Certified: Azure Data Fundamentals
- Microsoft Certified: Azure Fundamentals
- Software Architecture Principles & Practices. Software Engineering Institute | Carnegie Mellon University Issued Dec 2022
- Cloudera Certified Developer for Apache Hadoop, 2013

- IT helpdesk data analysis is to perform descriptive and pattern analysis to optimize the overall incident process.

- Design and develop LAMBDA architecture.

- Hive and Pig job development for data ingestion and transformation.

- Pattern analysis of the mainframe data and build a POC and MVP for the business demo.

- Statistical Analysis using HIVE, PIG, and HCatalog.

Data Architect
Symphony Services Pvt. Ltd., Bangalore | Feb 2013 - Feb 2014

Data Architect, Market DW – Feb 2013 - Feb 2014

Market Focus Datawarehouse aims to load survey information for every Patient and Sales visit across different countries for various products.

- Market Focus Datawarehouse is aimed at loading survey information for every patient and sales visit across different countries for various products.

- The objective of these surveys is to analyze the sales effectiveness and doctors' prescription behavior.

- Design a data analytics workflow using Python and SQL.

- Drive project estimation and implementation, and lead ETL activities.

- Project estimation and streamlining the process.

Technical Architect
Target Corporation Pvt. Ltd., Bangalore | Aug 2008 - Jan 2013

Technical Architect, Everest Program – Mar 2009 - Dec 2012

Everest program initiation aimed to replace Target.com from Amazon platform.

- Led the Everest program to replace Target.com on the Amazon platform and initiated web analytics on the Analytics DW.

- Collaborated with companies like Omniture and Kenshoo to source customer browsing behavior on Target's web hosting platforms.

- Designed and developed DataStage ETL and ELT jobs, implementing best practices and coding standards.

- Created ETL designs for Browse Data, Paid Search, and developed wrapper scripts for ETL jobs with error handling.

- Performance tuning for DataStage ETL jobs and SQL queries

Senior Software Engineer
Tavant Technology Pvt. Ltd. | Jun 2005 - Jul 2008

Senior Engineer, TiVo Media Analysis – Mar 2007 - Jul 2008

The TiVo Stopwatch provides subscribers with online access to TiVo's syndicated commercial viewership data, enabling interactive viewing and sorting by log, panel, day part, networks, and brand.

Awards

- DELIVERY EXCELLENCE GENAI PLATFORM issued by EPAM Systems · Dec 2024 for building the team for GenAI Implementation

- EPAM SYSTEM VALUE CREATOR IMPACT AWARD, issued by EPAM Systems · Apr 2023, for establishing a million-dollar account

- ORACLE FINANCIAL SERVICES PACESETTER AWARD, 2020, Won and established the team for Enterprise Data Lake project for a prominent client which added a revenue $500K in FY 2020

- TARGET LEADERSHIP EXPECTATION AWARD, 2011, To lead the effort of fixing performance bottlenecks in Enterprise DW

- TAVANT ANNUAL AWARD, 2008, To excel in the complex project and bring back the project on track

- Implemented data loads in PL/SQL procedures to load fact tables using bulk inserts.

- Performance tuning in SQL code using Oracle hints and worked on PL/SQL procedures.

- Worked as data analyst and single POC for load tuning

- Played a significant role in ETL design to load staging, data warehouse, and mart.

Senior Engineer, Ameriquest – Jun 2005 - Feb 2007

Tavant developed the loan origination and loan processing system for Ameriquest Corporation, the market leader in the subprime lending.

- These loan systems were generating loan-specific historical transactions that the company wants to analyze to improve the lending business.

- Informatica job development and monitoring.

- Writing PL/SQL procedures and schema validation queries.

- Shell script wrapper development.

- ETL design to load staging, data warehouse, and mart.

Software Engineer
Accenture Services Pvt. Ltd. | May 2004 - Jun 2005

- Informatica development and defect fixing.

- Shell script wrapper development

- Production support.

Education

June 2003	**Master of Computer Application**
	Rajiv Gandhi Technical University, Bhopal
June 1999	**Post-Graduation Diploma in Computer Application**
	MPBOU, Bhopal
June 1998	**Bachelor of Science in Mathematics**
	Holkar Science College, Indore

Websites, Portfolios, Profiles

- https://www.linkedin.com/in/manishbhoge/