

# UTKARSH PURANIK

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## Highlights

- Self-motivated **Software Engineer/Architect/Manager** with 14 years of experience in system design, development and implementation using Microsoft Technologies for Enterprise applications.
- **Technical Leadership, Project Management, Software Design, Development and Ensure Delivery** that matches the highest standards in terms of functionality and quality that meets Customer and/or User Expectations.
- A highly analytical person with proven problem-solving skills and a knack for understanding business processes to providing better technical solutions.
- Strong leader with Management experience offering experience in **.NET Technologies**.
- Individual with experience with Microsoft Azure and Amazon Web Services (AWS) with a focus on **cloud-native** development.
- Extensive Hands-on and expertise in **.NET Core, C#, ASP.NET, REST APIs, SQL, JavaScript**.
- Rich experience in project management in all phases of the project life cycle.
- Well versed in **Agile** methodologies including **Test driven (TDD)** and **Behavior Driven (BDD)** developments.
- Worked on high volume & scalable distributed enterprise applications.
- Experience in handling various backend data sources like **Azure SQL, MS SQL Server, Oracle, Snowflake** databases using SQL queries and **SQL Jobs**.
- Adhered to **Object-Oriented Methodologies** and **Used Various Designs**.
- Worked on distributed enterprise applications, **Microservices, Service Oriented (SOA)** architectures and essential role in design of applications.
- Experienced in creating automated deployment solution for Continuous Integration (CI) using Azure Pipelines, TeamCity and Octopus.
- Familiarity with Python and Golang.

## Skills

### Technologies

- C#
- SQL
- JavaScript
- .NET Core
- Serverless
- Containers
- Kubernetes
- GitHub
- Azure
- AWS
- DevOps
- Team City
- Octopus Deploy
- ASP.NET
- Snowflake
- React
- REST API
- PowerShell

### Others

- Software Architecture
- High-level Design
- Low-level Design
- Algorithms
- Data Structures
- System Design
- Project Management
- Agile Methodologies
- Cross functional team leadership
- Cloud Solution Development

## Education

Bachelor of Engineering (Information Technology) | *Sep 2004 - Jun 2008*  
Mahakal Institute of Technology, Ujjain (RGPV)

## Certifications

- Microsoft Certified: Azure Solutions Architect Expert
- Microsoft Certified: Azure Developer Associate
- Certified SAFe® 5 Practitioner

# Experience

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## **WM Universal Solutions | Digital Deputy Manager**

*Jan 2015 – Present*

- Previous Roles
  - Principal Software Engineer – 10/2017 to 12/2019
  - Senior Software Engineer – 01/2015 to 09/2017
- Managing a team of 8 business intelligence developers for a Data Warehouse and Business Analytics project.
- Led the modernization of the on-prem data warehouse platform to Cloud
  - Migrated on-prem SSIS/SQL Server data warehouse to Snowflake using Matillion ETL
  - Redesigned multiple subject areas to foundational issues and improve data quality
- Developed a solution for generating thumbnails for incoming images
  - Created solution using SSIS and AWS components (Lambda, API Gateway, CloudFront, CloudFormation, S3)
  - Generated approx. 3 million thumbnails per month for images received in the daily data refreshes
- Worked on a highly distributed and high volume (~1 million requests per month & ~500 concurrent users) application which serves business teams to do functionalities like billing, reconciliation, order processing and customer/vendor management.
- Traveled to the onsite location (Windsor, CT, USA) to revive development/improvement efforts on a workflow project that were stalled out, helped revive the project all the high & medium priority efforts completed within 6 months. It used a specialized workflow tool Sequence (by PNMSOFT), integrated with C# code using a set of services.
- Established Continuous Integration (CI) process for Build and Deployment using Team City and environment-based deployment workflow using Octopus Deploy
- Key Projects
  - Natural language Narratives (2021)
    - Designed and led the development of Natural language Narratives for business data to be sent as a summary of key data points available on the BI platform.
    - Identified a generic design that allows for minimal to no efforts for new data point addition. The solution contained many moving parts like Frontend, Backend, API layer, ETL components and third-party API.
    - Tech Stack – C#, .NET Core, SSIS, SQL, ASP.NET MVC, Rest APIs
  - Integration Framework (2019)
    - Designed and developed integration framework for a high-volume legacy application.
    - Identified and segregated different integrating applications on the lines of Customer, Supplier & Salesforce.
    - Used Microservices architecture with shared database pattern to the APIs, serving more than 1.5 million requests per month
    - Tech Stack – C#, .NET Core APIs

## **Tata Consultancy Services | IT Analyst**

*Feb 2011 – Dec 2014*

- Designed and developed an integration for physical settlement of commodities
  - Integrated of NCFE (NCDEX Clearing Front End) with COMTRACK (Commodity Depository System) for physical settlement of commodities using C#.
  - Used files-based instructions for various steps of the process like blocking and release of commodity lots based on reconciliation.
- Led a team of 3 developers to design and develop a web application to manage Collateral margins for exchange member broking companies.
- Led a team of 4 developers for Westpac Corporation to implement RSA SecurId for management of accounts and during transfers to secure transactions on Business banking tools for Westpac's St George Bank, Bank of Melbourne and BankSA

## **Diaspark Infotech | Software Engineer L2**

*Jul 2008 – Jan 2011*

- Worked on a windows to web migration of agency management product for Sandata Inc. against very tight deadlines and developed high-quality product.
- Designed and implemented a Data import process for Sandata Inc to receive agency/patient data from Medicare and Medicaid, received **Crown of the fortnight** award for it.