Microsoft Power Platform Solution Architect

Online Course

Course Modules

1.Perform solution envisioning and requirement analysis

Initiate solution planning
- Evaluate business requirements
- Identify Microsoft Power Platform solution components
- Identify Components include exist apps, MS Dynamics 365 etc
- Identify and estimate migration and integration efforts

Identify organization information and metrics
- Identify desired high-level organizational business processes
- Identify business process improvement opportunities
- Assess an organization's risk factors
- Review key success criteria

Identify existing solutions and systems
- Evaluate an organization's enterprise architecture
- Identify data sources needed for a solution
- Define use cases and quality standards for existing data
- Document an organization's existing business processes

Capture requirements
- Refine high-level requirements
- Identify functional requirements
- Identify non-functional requirements
- Confirm that requirements meet an organization's goals
- Document an organization's desired business processes

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Perform fit/gap analyses
- Determine the feasibility of meeting specific requirements
- Dynamics 365 apps and AppSource options to solve reqmt
- Address functional gaps through alternate solutions
- Determine the scope for a solution

2.Architect a solution

Lead the design process
- Design the solution topology
- Design customizations for existing apps
- Design and validate user experience prototypes
- Identify opportunities for component reuse
- Communicate system design visually
- Design application lifecycle management (ALM) processes
- Design a data migration strategy
- Design apps by grouping req features based on role or task
- Design a data visualization strategy
- Design an automation strategy that uses Power Automate
- Design environment strategy

Design the data model
- Design tables and columns
- Design reference and configuration data
- Design relationships and relationship behaviors
- When to connect to external data versus import data
- Design data models to address complex sets of requirements

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Design integrations

- Design collaboration integrations
- Intgt between MS Power Platform soln & Dynamics 365 apps
- Design integrations with an organization's existing systems
- Design third-party integrations
- Design an authentication strategy
- Design a business continuity strategy
- Integrate and extend Microsoft Power Platform soln
- Design robotic process automation (RPA)
- Design networking

Design the security model

- Design the business unit and team structure
- Design security roles
- Design column and row level security
- Design security models to address complex sets of reqmts
- Determine security model mgmt policies and processes
- MS Entra groups and app reg required to support a soln
- Identify data loss prevention (DLP) policies for a solution
- Determine how external users will access a solution

3.Implement the solution

Validate the solution design
- Evaluate detail designs and implementation
- Validate security
- Ensure that the solution conforms to API limits
- Assess the solution performance and impact on resources
- Resolve automation conflicts
- Resolve integration conflicts

Support go-live
- Identify and resolve potential and actual performance issues
- Troubleshoot data migration
- Resolve any identified issues with deployment plans
- Factors that impact go-live readiness and remediate issues

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