Azure Cloud Upskilling Journeys For Your Organization

WEB AGE SOLUTIONS

	Cloud Basics	Cloud Core Competencies		Advanced Cloud Techniques		
System Admin	**Understanding Cloud Computing & Azure Fundamentals** Topics Include: subscriptions, resource groups, resources, foundational compute and storage services, security and IAM, & management tools	**Cloud Infrastructure & Networking** Topics Include: virtual network, network routing & endpoints, VMs, Azure DNS, app services, Azure load balancer, storage account, ARM templates, and gateways, disaster recovery planning	**Cloud Security** Topics Include: Identity Access Management & role-based security (Azure Active Directory), network security groups, compliance & governance	**Automation & Orchestration** Topics Include: Terraform, Ansible, Azure Automation, Desired State Configuration & Bicep	**Containers & Container Orchestration** Topics Include: Docker, Kubernetes, ACR, ACI & AKS	**Advanced Cloud Security** Topics Include: hybrid identity, privileged identity management, securing containers, Azure Key Vault, data security, Microsoft Defender
Developer		**Cloud-Native Development** Topics Include: app modernization, microservices, serverless - Azure functions & Azure API management, Azure Event Grid, Azure Event Hubs, Azure message queues	**Cloud Storage** Topics Include: Azure storage account, storage on CDNs & databases (Azure Cosmos DB)	**Monitoring & Logging** Topics Include: application insights, log-based metrics & application map	**Security** Topics Include: Shared Access Signature and secrets management via Azure Key Vault	**Azure DevOps** Topics Include: SCM (Azure Repos and Git), CI/CD pipelines (Azure pipelines, GitHub Actions, and Release pipelines), Artifacts management, canary releases, blue-green deployments
Solution Architect		**Cloud Architecture & Migration to the Cloud** Topics Include: Microsoft Azure Well-Architected Framework & Microsoft Cloud Adoption Framework for Azure	**Infrastructure Solutions** Topics Include: design compute, storage for relational and non-relational data, networking, security, scaling, monitoring,	**Application Architecture** Topics Include: event-driven messaging & caching using Azure Event Hubs, Event Grid, API integration & Redis Cache	**Cloud Cost Optimization** Topics Include: IaaS vs. PaaS, Azure auto-scaling, cost management, budgets, and alerts, high availability/DR	**Cloud Governance** Topics Include: cloud governance frameworks, compliance & regulatory requirements

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Data *Engineer/ Scientist/Analyst*	**Understanding Azure Data Fundamentals** Topics Include: big data, relational, non-relational & streaming data sources and querying data with T-SQL	**Data Storage & Management (relational & NoSQL data)** Topics Include: Azure SQL Database & Azure Cosmos DB	**Data Storage & Management (Big Data)** Topics Include: Azure Data Lake Storage, Lakehouse architecture, Azure Synapse w/dedicated, Serverless, and Spark pools, Azure Synapse pipelines and Azure Data Factory	**Data Analytics & Business Intelligence** Topics Include: EDA with Azure Synapse and Azure Databricks, integration with Power BI Service & Azure Stream Analytics for real-time data streaming* *multiple classes required*	**Data Governance & Security** Topics Include: Data Classification & Data Access Control using Microsoft Purview	**Machine Learning** Topics Include: Machine Learning Concepts, hyperparameter turning and best classification model with Azure Machine Learning, Jupyter Notebooks with MLflow) Large language models
Manager	**Understanding Cloud Computing & Azure Fundamentals** Topics Include: subscriptions, resource groups, resources, foundational compute and storage services, security and IAM, & management tools	**Business & Strategic Alignment** Topics Include: cost optimization using Azure pricing calculator, Azure Total Cost Ownership (TCO) calculator, scalability, performance monitoring	**Cloud Adoption Planning** Topics Include: cloud migration strategies (lift-and-shift, re-platforming, and refactoring), resource planning & cost management (performance measurement and optimization)	**Cloud Economics** Topics Include: cost allocation and budgeting (Azure pricing calculator and Total Cost of Ownership), account structures, tags, Cloud financial management	**Cloud Governance** Topics Include: Security & compliance (understanding Azure Shared Responsibility Model), Multitenant security, implementing security best practices	**Organizational Change Management** Topics Include: stakeholder engagement, training and skill development, change governance and managing resistance
All Roles						