

# David P. Cobb

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## Summary

**Azure & AWS engineer with hands-on experience in scripted automation, infrastructure as code, continuous integration, administration, and migration of apps, servers and SQL to cloud. Continuous cloud learner, trainer & mentor. Excellent interpersonal and analytical skills with ability to grasp new technologies quickly, explain them simply, and integrate them into solutions and get results.**

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## Certifications

- [Azure Developer Associate](#) | 2020
- [Azure Database Administrator Associate](#) | 2020
- [Data Analyst Associate \(Power BI\)](#) | 2020
- [Azure DevOps Engineer Expert](#) | 2020
- [Azure Data Engineer Associate](#) | 2019
- [Azure AI Engineer Associate](#) | 2019
- [AWS Certified Solutions Architect - Associate](#) | 2019
- [AWS Certified SysOps Administrator - Associate \(SOA\)](#) | 2018
- [Microsoft Certified: Azure Administrator Associate](#) | 2018
- MCT (2002), MCSA: Cloud Platform (2016), MCSE : Data Platform (2013)

*Certification transcript provided on request*

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## Selected Recent Achievements

- Scripted **terraform** to deliver custom learning lab environment in the cloud.
- Migrated in-house source control to **Azure DevOps**.
- Scripted **PowerShell** tool for automated restore of **Azure SQL** backups for development team.

- Coded **CloudFormation** to lift and shift migrated Windows Server 3 tier application stack from VMWare to AWS cloud.
  - Crafted **Azure CLI and PowerShell** scripts to manage a CI/CD project built using ASP.Net/Angular2/REST/SQL stack within Windows docker **containers** deployed with **kubernetes, helm and GitLab**, hosted in **Azure container services (AKS)**.
  - Scripted migration of container based solution to **Azure WebApps**, including multiple environments with **Azure DNS** and wildcard ssl.
  - Migrated a small business office network and their primary business application to **Azure VMs** and **Remote Desktop Services (RDS)**, providing HIPAA compliance and enabling a contract with a large Insurance provider.
  - Migrated a small from in house SQL Server to **Azure SQL** cost effectively and without business interruption.
  - Built toolkit of **PowerShell** scripts for deploying and supporting Windows .Net desktop RDC application.
  - Received 90%+ rating as trainer in **SQL & Azure** courses, training as an **MCT** since 2002.
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## Selected Skills & Tools

- PowerShell and CLI infrastructure development in Azure, AWS, Windows Server, Hyper-V, Linux
  - Terraform, CloudFormation, ARM templates
  - Microsoft SQL Server, certified since 2002 (Performance Tuning, Administration, Programming, Reporting, SSIS/ETL)
  - .Net development & support (C# in Asp.Net, MVC, WCF, REST, Web & Console Applications)
  - Chocolatey, Scoop, VS Code, Azure Data Studio, PowerShell, Visual Studio, cloud command line (Azure & AWS PowerShell and CLI)
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## Experience

### CONSULTING & TRAINING | Cobb Information Technologies, Inc | 1996 - Present

Independent technical trainer and consultant, providing mentoring, automation scripting and support, on my own or with partner businesses. Current focus on mentoring forward thinking client companies, helping them to level up skillsets in Azure & AWS.

*Training or consulting references provided on request*

### SYSTEMS ARCHITECT | CheckAlt Payment Solutions | 2005 - 2019

Joined when CheckAlt was a tech startup offering Check 21 processing and software services. Reported to CTO, co-designed and supported the whole application stack. Migrated production servers to AWS. (Still providing consulting support part time.)

### DBA ON .NET DEVELOPMENT TEAM | University of Miami. | Dec 2003 - Sep 2005

Senior Database Analyst. Served on .NET development team as the database designer and administrator, developed web applications for doctors and staff at University of Miami's Ryder Trauma Center.

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## Education

University of Florida. | Bachelor of Science in Business Administration | 1994

## Activities & Interests

Speaker and volunteer at local South Florida technology user group meetings and events, including:

- [Microsoft Cloud South Florida User Group](#)
- [Florida .Net User Group](#)
- [Microsoft Data and AI South Florida](#)
- [South Florida SQL Server User Group](#)

Writing cloud tutorials for online publications, including **CloudSkills.io** and **Dev.to**:

- [Deploy a Serverless ASP.NET App to Azure Container Instances from Cloud Shell](#)