David Maiolo

Microsoft Cloud Solutions Architect

Dedicated SCCM/Intune and Azure architect with over 20 years of IT experience in Cloud Adoption (AWS, GCP, Azure), Software Development and Endpoint Management. Currently designing on-premises and cloud solutions for dozens of companies across the US, Canada and Europe. Currently a graduate at Harvard University Extension, global traveler and community mentor.

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WORK EXPERIENCE

Sr Solutions Architect
Microsoft

06/2018 - Present   *Irvine, CA*

Sr Architect having designed and deployed dozens of Azure cloud strategies for Fortune 500 companies and others in the Americas and Europe.

Achievements/Tasks

- Work designing and delivering SCCM, Intune, Azure and Cloud Policy Migration plans across 60+ enterprises has come highly regarded and recommended amongst internal MS account managers and account customers with extremely high customer satisfaction marks for delivery style, depth of knowledge and implementation success

- Sr Mentor for MS techcommunity and internal MS Engineers on Group Policy to cloud policy migration (CSPs), Graph API, Azure API, and Cloud Security best practice (Conditional Access, RBAC, Cloud App Security, Identity Management and access control security)

- Developer of Azure Tenant Migration and Assessment Tool designed to merge, backup and Analyze Azure tenants from multiple domains in different companies. Utilizing the Azure and Graph API, this tool with associated consultant deliveries generated $22.96M revenue in FY21

- Excellent planning and resource management with visits to new cities a regular part of client engagement

Lead Endpoint Administrator
American Savings Bank (Contract)

12/2016 - 05/2018   *Honolulu, HI*

Server Admin and Team Lead on a team of 5

Achievements/Tasks

- Developed and trained team on multiple endpoint strategies in SCCM including patch management, OSD, CI/CBs for Compliance, Application management and several custom scripts and reports

- Promoted to Server Team Admin developing and deploying backup strategies, DFS, patch management and upgrades

- Many SCCM and other strategies documented on my older blog/resume site: https://www.davidmaiolo.com/ - Regularly contacted from community engineers about these strategies

EDUCATION

Master of Liberal Arts in Extension Studies, Information Management Systems
Harvard University

02/2019 - Present   *3.6 GPA Current Student (2022), Cambridge, MA*

Courses

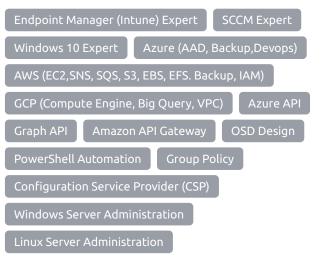- AWS and GCP implementation, Technology Leadership, Oracle DBA, C Software Developer, Linux Admin

BS, Computer Information Systems
State University of New York at Brockport

06/2016 - 06/2018   *NSF Scholarship, Cum Laude, Brockport, NY*

SKILLS

Endpoint Manager (Intune) Expert   SCCM Expert

Windows 10 Expert   Azure (AAD, Backup,Devops)

AWS (EC2,SNS, SQS, S3, EBS, EFS. Backup, IAM)

GCP (Compute Engine, Big Query, VPC)   Azure API

Graph API   Amazon API Gateway   OSD Design

PowerShell Automation   Group Policy

Configuration Service Provider (CSP)

Windows Server Administration

Linux Server Administration

PERSONAL PROJECTS

Intune Management Tool

- Backup, Restore, Analyze Intune Content Utilizing Graph API
- https://www.davidmaiolo.com/portfolio-item/intune-management-tool/

Graph API Query Development Tool

- Connect to your Microsoft Graph API to run REST requests
- https://www.davidmaiolo.com/portfolio-item/microsoft-graph-query-development-tool/

WORK EXPERIENCE

Owner / Developer
UniversityLite.com

05/2015 - 12/2016   *New York, NY*

UniversityLite was a major web project that was shut down shortly after launch due to legal complications with Collegiate Licensing

Achievements/Tasks

- Developed on AWS this highly scalable PHP/JavaScript/SQL solution used adaptive learning through public databases and APIs to build college bookstore websites
- Automatically generated over 700 unique university websites that sold relevant course books, college themed apparel, graduation items, and provided a community to exchange used books.
- https://www.davidmaiolo.com/portfolio-item/universitylite-overview/

Sr Software Engineer
Xerox (Contract)

03/2014 - 03/2015   *Webster, NY*

Achievements/Tasks

- Lead team of 3 Jr Software Engineers
- Developed a custom Windows OS deployment solution in Java and Powershell that allowed Xerox to "hot-swap" 50+ assembly line machines, a project that saved Xerox ~$3M in downtime costs
- http://www.davidmaiolo.com/portfolio-item/deployment-system/

Owner
Stony Studio (DBA)

06/2011 - 03/2014   *Christchurch, New Zealand*

I started this photography/video company, traveling extensively in Europe, Asia, the Americas, Pacific Islands, Russia, New Zealand and Australia

Achievements/Tasks

- Invited into North Korea to photograph first anniversary of Kim Jong-il's death marked by memorials
- Several weddings, government functions and festive events photographed around the world
- Photographs have made it into thousands of online and print publications, and as of 2021 various online news outlets still publish many of my photographs, averaging about 5 publications a month
- Sample: https://www.stonystudio.com/Media/Documentaries

Computer Systems Analyst
State University of New York, Monroe Community College

01/2008 - 06/2011   *Henrietta, NY*

Project lead for endpoint strategies for classrooms and offices across five campuses

Achievements/Tasks

- Technical lead in the design and migration of Windows XP to Windows Vista, which brought the college into the modern imaging framework it still uses with Windows 10
- Design, maintain and deploy images for Smart Classrooms, Visual Studio lab, Math Lab, Writing Center and Public Safety
- Work with 3rd party developer, PivCon, to test and deploy a new image management framework that was built around torrent sharing of images amongst workstations.

PERSONAL PROJECTS

Threaded Endpoints Detail Aggregator
- Threaded collection and single point of data aggregation for common SCCM, DHCP and Active Directory metrics
- https://www.davidmaiolo.com/portfolio-item/threaded-computer-details-aggregator/

Threadable Pinging
- Ping several computers in environment at once though multiple threads, decreasing the amount of time required to return ping results on a large set of computers
- https://www.davidmaiolo.com/portfolio-item/threadable-pinger/

Intune Data Warehouse Connector Application
- Connect to your Intune Data Warehouse to query and read collection data that sits in the warehouse
- https://www.davidmaiolo.com/portfolio-item/data-warehouse-connector-application/

Magic Offline Imaging Jumpdrive
- OEM imaging or offline imaging where you still need to join PC's to the domain but don't have access to the network
- https://www.davidmaiolo.com/portfolio-item/sccm-magic-offline-imaging-jumpdrive/

HTML E-Mail Report Generator
- Series of functions to allow you to conveniently take one or more PowerShell object and have it turn into an email report.
- https://www.davidmaiolo.com/portfolio-item/html-e-mail-report-generator/

Transit Photometry in Upper Atmosphere
- A PCB design and programming project for very low photon detection assisted transit photometry for detecting extrasolar planets.
- https://www.davidmaiolo.com/portfolio-item/camera-pcb-design/

Pianist / Musician
- Passionate pianist, having played for venues globally
- Sample album: https://www.davidmaiolo.com/portfolio-item/piano-music-compact-disc/

Automotive Enthusiast
- Automotive technology and design
- Sample projects: https://www.davidmaiolo.com/portfolio-item/automotive-projects/

Travel Photographer
- Personal photography expeditions in Asia, North Korea, Australia, New Zealand, Caribbean, Europe, North America, South America, Pacific Islands, Russia and Africa
- Sample work: https://www.davidmaiolo.com/portfolio-item/photography/

COMMUNITY

Speaker / Student Mentor
State University of New York at Brockport

Brocckport, NY

Tasks/Achievements

- Ongoing mentor, guest speaker and diversity activist within the University's community.