

Brandon Babcock

CLOUD ARCHITECT SYSTEM ENGINEER

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[LinkedIn Profile](#)

SUMMARY

Strategic Engineering

Hard working and passionate I.T. professional with an extensive background in information technology across multiple industries. 11+ years' experience facilitating cutting-edge engineering solutions with a wide range of application.

Multi-Cloud Architecture

Primarily focused on enhancing client experiences when using cloud native technologies by enabling, designing and implementing proven scalable cloud architectures and governance frameworks. Extensive expertise in large system architecture development and administration, as well as network design and configuration.

Security Management

Proven ability at developing security strategy frameworks based on security needs and aligned with business goals. Demonstrated capacity to implement innovative security programs that drive awareness, decrease exposure and strengthen the organization.

EXPERTISE

Programming Languages

Python, JavaScript, PowerShell, ARM, Terraform

Cloud / Datacenter

Azure, Office 365, GCP, VMWare, Hyper-V

Infrastructure / Development

Networking, Security, Identity, DevOps, Application stacks

PROFESSIONAL EXPERIENCE

CLOUD SERVICES ARCHITECT – MS AZURE

AHEAD

Nov 2019 - Present

- Facilitate client workshops, providing guidance and best practices on building solutions on the Azure cloud platform.
- Engage with customers to understand and articulate their business requirements, operational needs, and workloads to continuously improve their overall Azure experience, and cultivating lasting client relationships.
- Design, develop, and document cloud solutions to include architectural design documents, implementation plans, network and traffic flow diagrams and other supporting documentation.
- Provide hands on implementation of proofs of concepts and pilot architectures to serve as references for large scale implementations.
- Manage cloud environments in accordance with industry best practices.
- Projects and Achievements Include:
 - Working with multiple State level agencies to develop long term and short-term cloud roadmaps for migrating legacy application infrastructure to Azure, introducing cost savings, re-factoring capabilities, and operational automation capabilities.
 - Demonstrating proof of concepts with clients around native Azure services to provide and showcase cloud capabilities across different verticals.
 - Developing internal solutions used across the company to provide quick deployment efforts across client engagements.

SENIOR CLOUD ENGINEER – MS AZURE

AHEAD

Nov 2018 – Nov 2019

- Facilitated client workshops providing guidance and best practices on building solutions on the Azure cloud platform.
- Responsible for building cloud foundational components encompassing networking, security, identity, operations, and governance on the Azure cloud platform.
- Developed, architected, and documented cloud best practices, guidelines, and guardrails.
- Operationalized solutions from proof-of-concept through production, using automation for repeatability, maintainability, and to enforce industry standards.
- Managed cloud environments in accordance with industry best practices.
- Projects and Achievements Included:
 - Migrating, re-factoring and modernizing client data-center workloads using native Azure platform services.
 - Designing and implementing client data-center hub and spoke topologies in Azure with integration into other cloud providers.
 - Performing client Azure environment assessments to provide best practices, security vulnerabilities, and potential cost savings.

CLOUD ENGINEER – MS AZURE

Presidio

Oct 2017 – Nov 2018

- Worked with a national cloud team to provide support to local region requests for all Azure related cloud engagements.
- Facilitated client workshops providing guidance and best practices on building solutions on the Azure cloud platform.
- Design, develop, and document cloud solutions to include architectural design documents, implementation plans, network and traffic flow diagrams and other supporting documentation.
- Manage cloud environments in accordance with industry best practices.
- Projects and Achievements Included:
 - Performing lift and shift client datacenter migrations to Azure while refactoring application stacks to utilize native Azure offerings.
 - Designing and implementing multiple client hub and spoke topologies in Azure spanning multiple Azure regions.
 - Designing and implementing multiple datacenter business continuity disaster recovery strategies (BCDR) utilizing Azure BCDR services.

CERTIFICATIONS

Microsoft Certified Azure Solutions Architect Expert
[Microsoft](#)

MCSA (Microsoft Certified Solutions Associate) – Cloud Platform
[Microsoft](#)

Microsoft Certified Azure AI Engineer Associate
[Microsoft](#)

Microsoft Certified Azure Data Scientist Associate
[Microsoft](#)

AZ-300 Microsoft Azure Architect Technologies
[Microsoft](#)

MCSE (Microsoft Certified Solutions Expert) – Cloud Platform and Infrastructure
[Microsoft](#)

CCNA (Cisco Certified Network Associate)
[Cisco](#)

CCDA (Cisco Certified Design Associate)
[Cisco](#)

CMNA (Certified Meraki Network Associate)
[Meraki](#)

PCEP – Certified Entry-level Python Programmer
[Python Institute](#)

PCAP – Certified Associate in Python Programming
[Python Institute](#)

Nimble Administrator
[Nimble Storage](#)

Linux +
[CompTIA](#)

Security +
[CompTIA](#)

Network +
[CompTIA](#)

A +
[CompTIA](#)

SENIOR NETWORK ENGINEER
[RK Dixon](#)

Apr 2013 – Oct 2017

- Worked with a professional services team to provide deployment support for client engagements.
- Facilitated client workshops, provided guidance and best practices on building VoIP solutions and utilized multiple vendors.
- Designed, developed, and documented pre-sales workshop material, bill of materials, task-logs and statements of work.
- Performed daily monitoring, maintenance and resolution of client-managed infrastructure.
- Projects and Achievements Included:
 - Performing client datacenter hardware migrations and upgrades across different verticals.
 - Working with customers to install, configure and maintain Hyper-V and VMWare environments.
 - Designing, implementing, and migrating customers to Microsoft's Office 365 platform.

SENIOR SYSTEM ENGINEER
[United States Marine Corps](#)

Jul 2009 – Apr 2013

- Worked with respective military team members to provide network deployment and operational support for multiple military operations.
- Provided oversight on the hardening and security vulnerability testing of classified military networks.
- Managed team of system administrators, network engineers and help desk personnel.
- Performed daily monitoring, maintenance and resolution of military managed infrastructure.
- Projects and Achievements Included:
 - Working with multiple military organizations to install, configure and maintain mission critical infrastructure.
 - Supervising the emplacement, powering, and internal cabling of over \$500,000 worth of data communications equipment.
 - Configuring local and wide area networks to support military operations from multiple geo regions utilizing different transmission mediums.

EDUCATION

Bachelor of Science Degree Information Technology
[Western Governors University](#)

Est. 2022

Marine Corps
[Marine Corps Communications Electronics School](#)

2010 - 2011

High School Diploma
[Moline High School](#)

2009

AWARDS & HONORS

Certificate of Commendation – Exceptional Performance of Duty
[United States Marine Corps](#)

2011

- Served as Data Systems Technician and integral to the successful execution of Ryukyu Warrior 2012, a First Marine Aircraft Wing-level command post exercise deployed to IE Shima: Nov – Dec 2011.
- Configured flawless global broadcasting systems, installed secure and non-secure internet protocol router network domain controllers and enabled 250+ users with tactical air command center access.

Achievement Medal – Superior Performance of Duty
[United States Marine Corps](#)

2012

- Served as deployed Security Interdiction Device Operator: Jan – Feb 2012.
- Instrumental to setup, operation and maintenance of secure and non-secure internet routing protocol deployed security interdiction device.
- Worked 40+ hours non-stop to configure 500+ firewall rules and troubleshooting 150,000+ lines of access control lists, ensuring server replication and video teleconferences were operational and protected.