Matthew Saeger

Experienced Cloud Architect, UNIX Administrator, Data Analyst, Web Developer, Network Engineer, and IT Consultant

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As a Senior Cloud Architect holding all associate and professional-level AWS certifications as well as the security and networking specialty-level certifications, I have a proven track-record for architecting, implementing and driving strategy around cloud adoption, application & infrastructure migration, cloud-native development and application & infrastructure automation.

EXPERIENCE

FEB 2019 - PRESENT

Senior Cloud Architect
Cloud Technology Partners, a Hewlett Packard Enterprise Company

- Architected, Facilitated, Implemented and Tested an automated (CI/CD) image creation pipeline with AWS and Azure.

- Facilitated native cloud platform monitoring, alerts and integrations with other platforms.

- Architected and implemented Chef configuration management servers and Chef Cookbooks across AWS accounts, and facilitated alignment with Azure.

- Designed and Integrated Palo Alto Firewall automation with the new AWS Transit Gateway to create Customer Gateways, and IPSEC connections via CloudFormation.

- Architected Hybrid DNS with the use of Route 53 resolvers.

- Reviewed client's capabilities to score cloud maturity and make recommendations for their cloud adoption program.

- Developed process for determining if an application is cloud-ready. This included a review of the compute needs, data storage, networking and security.

JAN 2019 - FEB 2019

Cloud Architect
Cloudreach

- Architected and integrated automated hub and spoke account model (both multi-account and multi-VPC) with Direct Connect terminated into Palo Alto Firewalls backed by a scalable Palo Alto Transit VPC in AWS.

- Designed redundant Hybrid Cloud Connectivity facilitated by BGP with Palo Alto Firewalls, Direct Connect and IPSec tunnels.

- Fully integrated IDP's such as Centrify with an RBAC (role based access control) model within AWS and connected other SAML applications.

- Built custom automation workflows to deploy compliant applications to instances, Workspaces (VDI's) and AppStream fleets

- Architected, developed and deployed secure, redundant, scalable applications.

JUN 2017 - JAN 2019

Cloud Systems Developer
Cloudreach

- Utilized cloud providers such as AWS in order to migrate clients' in-house infrastructure and applications to the cloud as well as optimized those applications to ensure that they were deployed with hardened security and best practice in mind.

- Used automation and IaC (Infrastructure as code) to deploy multiple AWS environments.

- Used proprietary software like Sceptre, as well as troposphere and CloudFormation in order to automate cloud deployments.

- Worked with IAM Users/Roles, AutoScaling Groups, EC2 Instances, ELB's/ALB's, S3

Buckets and VPC's in order to meet project specifications.

- Created and utilized fully automated CI build and deployment infrastructure and processes for multiple projects.

- Created, consumed and managed GitLab repositories with embedded continuous integration scripts to test and deploy changes.

- Managed and deployed GoCD pipelines to manage compliant machine images in AWS.

- Developed and implemented solutions enabling Development and Operations teams to build, deploy, monitor and test applications within the cloud environment.

- Configured and used AWS native monitoring solutions such as CloudWatch and CloudTrail within client applications as well as pushed these logs into other logging tools like Splunk and DataDog.

JUN 2016 - JUN 2017

IT Applications Developer

The Bank of New York Mellon

- Worked on the Data Analytics team within the Internal Audit department in order to automate, develop models and build visualizations based upon large and blended data sources in order to analyze and recognize valuable trends in data.

- Utilized programs such as Alteryx and Tableau in order to gather, blend, and manipulate large amounts of data from multiple data sources - consisting of anywhere from excel spreadsheets to Oracle, MySQL databases, and other data warehouses.

- Worked with legacy systems such as DB2, Mainframe (JES) and Oracle to create automated workflows to warehouse data into modern Microsoft SQL platform.
- Utilized in-house private-cloud platform to deploy Alteryx, SSIS, and Tableau servers for the Internal Audit Data Analytics Team
  - Developed department-wide data warehouse and an online, self-service environment for visualization and reporting tools.
    - Deployed SQL Server to support data warehousing and development initiatives.
    - Deployed Alteryx server to automate data gathering and blending from various sources in order to support continuous monitoring initiatives.
    - Utilized Tableau server in order to widely deploy dashboards with both live data connections and data extracts to the department.

DEC 2009 - PRESENT

Systems Administrator / CEO

Matthew Saeger Networks, Inc.

- Design, implement and manage hosted server applications on a VMWare ESXi and RHEL Architecture.
- Provide effective and functional web designs to customers that meet their business/personal needs.
- Schedule, coordinate and deploy server configuration with automated scripts.
- Plan and build redundancy and backup procedures into existing systems to eliminate downtime.
- Setup network infrastructure capable of handling excessive bandwidth required by services.
- HE.net IPv6 Networking Certification

Consumer Electronics Show Alumni '12 '13 '15 '16 '17

MAY 2015 - JUNE 2016

Technical Advisor

Apple

- Worked with and mentored colleagues in order to increase the team performance baseline.
- Created internal training and procedural documentation for emerging issues.
- Understood customers and provided them with troubleshooting steps to reach the best possible resolution.

MAY 2012 - MAY 2015

Manager

HMS Host

- Administered daily operations duties to ensure productivity and operation ran efficiently and profitably.
- Supervised employees of approximately 15 individuals and supported general manager.
- Managed inventory and procured products necessary for day to day operations.
- Trained new associates for new store opening.

EDUCATION

2012 - 2016

Bachelor of Science in Information Sciences and Technology; Minor: Security and Risk Analysis

Pennsylvania State University

Recognized by CNSS (via NSA and DHS) as a Center of Academic Excellence in Information Assurance and Cyber Defense.
-Dual-Enrolled student during senior-year of high school

CERTIFICATIONS

MARCH 2020 - MARCH 2023

AWS Certified Security - Specialty
Amazon Web Services

OCTOBER 2019 - OCTOBER 2022

AWS Certified Advanced Networking - Specialty
Amazon Web Services

OCTOBER 2019 - OCTOBER 2022

AWS Certified DevOps Engineer - Professional
Amazon Web Services

JULY 2018 - JULY 2021

AWS Certified Solutions Architect - Professional
Amazon Web Services

OCTOBER 2017 - OCTOBER 2022

AWS Certified SysOps Administrator - Associate
Amazon Web Services

JULY 2017 - JULY 2021

AWS Certified Solutions Architect - Associate
Amazon Web Services

AUGUST 2017 - OCTOBER 2022

AWS Certified Developer - Associate
Amazon Web Services