Andy Boutte

Cedar Rapids, Iowa | 805-234-7399 | andyboutte@gmail.com

Principal Solutions Architect

Dedicated Solutions Architect providing over ten years of professional experience in technical leadership, strategic planning, cloud services, data center services, and networking. Thrives on seemingly impossible, challenging projects in a collaborative, fast-paced environment while offering a strong aptitude and demonstrated success in effective team management, data analytics, risk management, and innovative solutions. Highly regarded for his ability to interpret data into actionable information with a critical thinking mindset. Looking forward to accepting a new challenge and work with talented, passionate, dedicated people who are just as motivated to solve the next problem.

Experience

DuploCloud

Principle Solutions Architect • May 2023 - Present

Principle Solutions Architect that assists with pre-sales, post-sales, and onboarding.

Key Accomplishments:

- Provided guidance on platform usability
- Contributed technical content to DuploCloud whitepapers

Vivsoft

Cloud Architect Contractor • April 2021 - December 2021

Cloud Architect to assist with steering the Enbuild Platform and accelerate velocity of key customer project.

Key Accomplishments:

- Deployed DoD approved SCCA enclave in Azure and AWS for customer environment
- Guided platform team on initial architecture

Perforce Software

Cloud Architect • January 2021 - May 2023

Cloud Architect on the VCS team that is responsible for all things cloud

Key Accomplishments:

- Created minimum viable SaaS deployment of Helix Core that turned into new team being formed and productizing a SaaS solution
- Productized first cloud deployment offering (Enhanced Studio Pack) for Helix Core that worked across AWS, Azure, GCP, and DigitalOcean
- Created and maintained Packer projects for Helix Core, Helix Swarm, Hansoft, and Perforce Windows Workstation. Packer builds targeted AWS, Azure, GCP, and DigitalOcean.
- Packer CI pipelines utilizing Jenkins Job DSL and Jenkins Pipeline DSL
- Utilized GitHub Actions to orchestrate CI pipelines that built machine images and tested artifacts with InSpec
- Created AWS and Azure Enhanced Studio Pack for 1-click deployment of Helix Core, Helix Swarm, Hansoft, and Perforce Windows Workstation
- Contributed to Server Deployment Package (SDP) testing and cloud native capabilities
- Empowered Sales Engineers to create 1-click demo environments using AWS Service Catalog
- Created open source project inspec-cloudformation wire CloudFormation outputs into InSpec inputs
- Cut costs by creating Cloud Custodian policies
- Architected and coded the Perforce Helix Core GitHub Action to help kick start a partnership with Microsoft in collaboration with GitHub.

Hitachi Vantara

Principal Cloud Architect • October 2018 - December 2020

Led requirement gathering, prioritization, scoping, planning, implementation, and delivery of the Hitachi Vantara Cloud Accelerator Platform.

Key Accomplishments:

- Architected Istio multi cluster mesh solution to help power Hitachi Vantara Software SaaS strategy
- Designed and implemented a cloud based, distributed, air-gapped, testing environment
- Consolidated 11 scrum teams to have the same cadences and processes
- Integrated SAFe processes into engineering department
- Led initiative for open source license compliance and open source security vulnerability review

REAN Cloud

Cloud Architect • October 2017 - September 2018

Assigned to Department of Defense project as a Cloud Architect to lead the networking, logging, metric collection, and monitoring effort. Received client requirements, architected solutions, and worked with engineers to automate the solutions.

Key Accomplishments:

- Multi-account and multi-region AWS log aggregation solution
- Customized RBAC solution for ELK stack to allow for multi-tenant use cases
- Palo Alto based hub and spoke transit VPC deployment based on Department of Defense Secure Cloud Computing Architecture (SCCA)

Senior Cloud Engineer • June 2016 - January 2017

Led an international DevOps team to build the company's first product. Utilized standard DevOps tools including Chef, CloudFormation, Terraform, git, and Jenkins to create an environment where we collaborated and worked toward an end goal. As the architect, product owner, and technical lead on the project, I balanced time between training resources on the team, unblocking resources on the current tasks, and planning for the future sprints.

Key Accomplishments:

- Built a scale from 1 to N ELK deployment using Terraform, CloudFormation, and Chef
- Designed hierarchy of dependencies that are required to satisfy customer use cases in an ELK stack. Dashboard -> index -> Logstash Input -> (script, rpm, pip, credentials, user input parameters)
- Created custom Logstash plugins: logstash-input-s3zip, logstash-output-s3csv
- Enforced code quality utilizing GitHub webhooks, Jenkins pipelines, and GitHub status check API

Kibo Commerce

DevOps Engineer • December 2013 - June 2016

Utilized infrastructure as code and configuration management to build resilient web application deployments. Responsible for uptime, maintenance, and implementation of the production environment for 30 applications. Participated in 24/7 on-call rotation to meet business SLAs. Continuously revisited processes to build on what had already been improved.

Key Accomplishments:

- Managed Multi-year project that migrated applications from colocation to AWS
- Converted team and processes from JSON based CloudFormation to Bazaarvoice's CloudFormation Ruby DSL
- Implemented Facebook's mcrouter, an open source memcached protocol router, to facilitate a hot migration of a memcache pool between data centers
- Architected and implemented development and QA testing environment in AWS
- Database driven cron implementation
- Enforced database schema verification at deployment time

Shopatron

Quality Assurance Engineer • June 2013 - December 2013

Oversaw quality of the companies APIs which included several PHP and Java applications. Primary responsibilities

included maintaining documentation and test case writing so future regression testing could be maintained by team members.

Key Accomplishments:

- Documented manual test cases in TestRail to reduce regression testing time
- Provided technical assistance and documentation for testing environment setup
- Obtained integral knowledge of the different product components, their dependencies, and data stores which was instrumental in the migration to AWS

Skills

- AWS
- Cloud Architecture
- Cloud Networking
- Cloud Migrations
- Chef
- Terraform
- CloudFormation
- Ruby
- Shell Scripting

Activities and Interests

Prairie Patch Farm LLC

2020 - Present

Prairie Patch Farm offers llama experiences to our community including: guided llama hikes, llama grams, llama birthday parties, llama weddings, llama zooms.

Homelab

2008 - Present

My homelab is based on pfSense, HP ProCurve switches, Unifi WAPs, a Unifi PtMP antenna, several Unifi CPE antennas, Proxmox, Kubernetes and FreeNAS. My homelab includes services I utilize on the day to day and services I experiment with to further my knowledge and experience. Some of the services I run include: Pi-hole, dokuwiki, Tor Relay, Plex, NTP, Bitwarden, Unifi NVR, SmokePing, Home Assistant, ZoneMinder, PiAware, WeeWX, and Unifi Controller.

Weather Station

2018 - Present

I utilize WeeWX to gather weather data from a Davis Vantage Pro2 personal weather station and publish it to Weather Underground.

NTP Pool Project

2017 - Present

The NTP Pool Project is the largest organization of NTP servers in the world and is used by millions of systems worldwide. To give back to the NTP Pool community I donate a server that is apart of the NTP Pool. I also created a turn key solution for deploying a NTP server in AWS.

Amateur Radio - W2PPF

2020 - Present

I hold a Technician and General Amateur Ham Radio license

Certifications

Microsoft Certified: Azure Fundamentals

November 22, 2019

AWS Certified Cloud Practitioner

K78SD4Y21MEE1ZWC • August 31, 2018 - October 26, 2021

AWS Certified Solutions Architect – Associate

CJZ71YL2CBBE1BKS • August 01, 2016 - September 16, 2020

AWS Certified SysOps Administrator - Associate

JT501NJCC214QNW0 • November 29, 2016 - October 26, 2021

AWS Certified Solutions Architect - Professional

2ZSV18Z2C2QE1K55 • March 16, 2017 - September 16, 2020

AWS Certified DevOps Engineer - Professional

N0JFWJPC1ERQ1297 • October 26, 2018 - October 26, 2021

AWS Certified Advanced Networking - Specialty

NSCTGSYKDJ1QQ7S6 • February 22, 2019 - February 22, 2022