Jessica Claire

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SUMMARY

As a AWS and Red Hat certified Architect with a background in cloud computing, networking and application development, I have a proven track record of delivering successful projects, using my passion for learning, problem-solving, and collaboration. I have experience in various technology domains and have led teams through system transformations. I'm determined to deliver depth and agility on next-gen solutions.

SKILLS

Cloud: OpenStack, AWS, Azure
Container: Docker, Kubernetes, EKS, AKS, Podman, OpenShift, Rancher
Virtualization: KVM/oVirt, Red Hat Virtualization, OpenStack, LXC/LXD, VMware
Databases: PostgreSQL, MySQL, MariaDB
Monitoring: Prometheus, Grafana, ELK
CI/CD: Jenkins, Argo CD, GitHub actions
IaC/Configuration management: Terraform, Ansible

Scripting: Python, Bash
Version Control: git, GitHub, GitLab, Gogs
OS: RedHat, Centos, Ubuntu, Fedora, Suse
Storage: Ceph, GlusterFS, LVM, GFS2, NFS
Networking: VLAN, LACP, OSPF, BGP, OVS, OpenFlow, VXLAN, OVN
IAM: LDAP, Active Directory
Security: WAF, CheckPoint, FortiWeb

EXPERIENCE

DEVOPS ENGINEER   11/2022 to CURRENT
Jpmorgan Chase & Co. | Santa Clara, CA

- Developed procedures to automate code builds and deployments.
- Collaborated with support team to assist client stakeholders with emergent technical issues and develop effective solutions.
- Coordinated installation of software systems and collaborated with user experience team on design and implementation of new features.
- Migrating infrastructure, data, and applications from existing data centers into cloud and hybrid (public and private) environments
  Testing and troubleshooting migrated systems in virtualized architecture.
- Leveraged Agile methodologies to move development lifecycle rapidly through initial prototyping to enterprise-quality testing and final implementation.
- Monitoring both infrastructure and applications using Prometheus-Grafana and Splunk for comprehensive and efficient monitoring.
- Deploying and managing highly available Kubernetes clusters in both on-premise and cloud environments
- Developed company-wide technical strategy plans for Python-based assets, overseeing development, coding, debugging and Deployment.
- Designing and implementing robust CI/CD pipelines utilizing industry-leading tools including GitHub Actions, CircleCI, Jenkins and Argo CD
- Creating and managing Terraform modules for provisioning infrastructure on cloud providers such as AWS, and Azure
- Expertise in utilizing various AWS services, including VPC, EC2, IAM, ECS, EBS, RDS, S3, Lambda, ELB, Auto Scaling, Route 53, Cloud Front, CloudWatch, CloudTrail, SQS, and SNS to design and implement scalable and highly available solutions

CLOUD SOLUTION ARCHITECT   10/2019 to 10/2022
Booz Allen Hamilton Inc. | Omaha, NE

- Designing, building, testing and deploying highly available and scalable OpenStack private and public clouds using TripleO and Kolla-ansible, ensuring optimal performance and reliability
- Expertise in optimizing OpenStack for telecommunications by utilizing cutting-edge technologies like NFV, DPDK and Single Root I/O Virtualization (SR-IOV), delivering high-performance and resilient solutions.
- Utilized Python to handle debugging and automation scripting tasks.
- Developed system models using automated tools to analyze performance under various operating conditions.
- Expertise in designing and building cloud service models such as Infrastructure-as-a-Service, Platform-as-a-Service, and Container-as-a-Service, providing a flexible and highly available environment for meeting diverse business needs
- Installing and managing highly available open-source database clusters including PostgreSQL, MySQL, and MariaDB, ensuring high performance and reliability for mission-critical applications
- Ability in swiftly resolving complex issues related to AWS transit gateway configurations, VPN connections, VPC route-tables, Workspaces, S3, and NACL/Security Groups, by utilizing in-depth knowledge of AWS services, troubleshooting skills and strong analytical ability
- Designs detailed migration plans for workloads from any platform to AWS.
  Implemented P2V transformation project of 1000 Linux servers to VMware farms and AWS cloud computing environments.
- Help our customer to migrate from on-premises resources to AWS/Azure and use AWS as disaster recovery site in some cases
- Deploying and effectively managing highly-available Kubernetes/OpenShift clusters in both on-premise and cloud environments
- Utilizing the Operator Framework, creating a Kubernetes operator and custom Helm plugins to automate complex tasks more efficiently
- Implemented and integrated CI/CD pipeline with Terraform to automate infrastructure deployment

CLOUD INFRASTRUCTURE ENGINEER   03/2017 to 08/2019
Deloitte & Touche L.L.P. | Minneapolis, MN

- Designed and built cloud service models including Infrastructure-as-a-Service, Platform-as-a-Service, and Container As Service.
- Build, test, and deploy ccalable, highly available OpenStack Private and public cloud environments using TripleO
- Developed hybrid cloud delivery model allowing for customers to choose mix of public and private clouds to meet their individual needs
- Container orchestration with docker swarm and Kubernetes building auto provisioning cluster and helping customers with deploy apps in micro services architecture.
- experience in Design and deploy CI/CD pipelines (CircleCI, Jenkins,)
- Worked in all areas of Jenkins setting up CI for new branches, build automation, plugin management and securing Jenkins and setting up master/slave configurations.
- Integrating various Version control tools, build tools, nexus and deployment methodologies (scripting) into Jenkins to create an end-to-end orchestration build cycles.
- Maintain product release process, including generating and delivering release packages, generate various metrics for tracking issues against releases and the means of tracking compatibility among products.

SOFTWARE ENGINEER   12/2014 to 02/2017
Empyrean Benefit Solutions | Dallas, TX

- Developing web applications implementing model view control architecture using Django, Django Rest Framework
- Build high-performance web applications using Django, Celery, Redis
- Working with server-side technologies including database, restful API, and MVC design patterns
- Working with continuous deployment using Jenkins and Travis-CI
- Build docker containers and deploy containers to docker-swarm clusters
- Managing internal GitHub and creating workflows to implement CI/CD pipelines
- Write Ansible roles to automate Linux servers patching and application configurations
- Setting up ELK stack for cental log management

EDUCATION AND TRAINING

● Post Graduate Diploma in Computer Application | Computer Application   2016
Acharya Nagarjuna University

Bachelor of Science | Computer Science   2014
Acharya Nagarjuna University

CERTIFICATIONS

- **Red Hat Certified Architect in Infrastructure**
- **AWS Certified Solutions Architect – Professional**
- Red Hat Certified System Administrator (RHCSA)
- Red Hat Certified Engineer (RHCE)
- Red Hat Certified Specialist in Server Security and Hardening
- Red Hat Certified Specialist in Virtualization
- Red Hat Certified Specialist in OpenShift Administration
- Red Hat Certified System Administrator in Red Hat OpenStack
- Red Hat Certified Specialist in Ansible Automation