JESSICA CLAIRE

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📍 100 Montgomery St. 10th Floor

SKILLS

- Strong Interpersonal and Communication Skills
- Software Testing and Validation
- Project Management
- Data Storage and Retrieval
- Security Planning
- Cost Assessment
- Debugging and Troubleshooting
- Customer Relationship Management

EDUCATION

Wichita State University
Wichita, KS • 05/2013

Master of Science: Electrical And Computer Sciences Engineering

JNTU Kakinada
Andhra Pradesh • 04/2011

Bachelor of Science: Electronics And Communications Engineering

CERTIFICATIONS

Comptia Security Plus- 601
AWS Solutions Architect Associate
AWS Sysops Administrator Associate
AWS Developer Associate
Docker Certified Specialist Associate

PROFESSIONAL SUMMARY

- Flexible professional with 8+ years of experience developing and building IT solutions. Confident DevOps Engineer with exemplary expertise in routine application maintenance tasks, including troubleshooting and testing.
- Critical thinking Engineer with extensive understanding of high availability architecture and concepts. Purpose-driven professional with capacity to be strong team player plus work effectively independently..
- To seek and maintain a full-time position that offers professional challenges utilizing interpersonal skills, excellent time management and problem-solving skills.
- Been a part of audit and governance teams in top FinTech firm.
- Experienced in multiple computational, security and other AWS services like VPC, Amazon EC2, S3, Cloud Formation, IAM, Elastic Beanstalk, Inspector, KMS, Config etc.
- Well versed with monitoring tools like Datadog, Splunk, Nagios and Amazon Cloud watch to monitor major metrics like Network logs, CPU utilization, Load Balancer logs etc.
- Experience in handing resiliency as well as disaster recovery activities.
- Highly skilled in deployment, data security and troubleshooting of the applications using AWS services.
- Experienced in migrating applications from On-Prem to Cloud and containerize them using Docker/ Kubernetes.
- Descent knowledge as well as experience in using Python, Terraform and JSON scripting.

WORK HISTORY

Xylem Inc. - DevOps Engineer
Lansing, IL • 01/2020 - Current

- Worked with software development and testing team members to design and develop robust solutions to meet client requirements for functionality, scalability and performance.
- Maintained consistent security to effectively implement best practices and protect application data.
- Maintain RabbitMQ infrastructure with continuous upgrades for improved functionality as well as security .
- Implement and maintain Prometheus in firm as part of establishing SRE stature.
- Install, configure, operate, and maintain AWS environments and related software
- Evaluate, configure, and implement new technologies, methodologies, and architecture design patterns to build new AWS automation and pipelines
- Work towards migrating CloudFormation templates to terraform
- Update frontend and Java certificates to maintain security in environment. Perform migration from utilizing public certificates to private certificates
- Implemented Newrelic automated synthetic monitor reporting regarding performance of web/ zeus/sip applications which saved ton of reporting and troubleshooting time
- Led design of resilient, secure, high availability cloud infrastructure in AWS support of long-term engineering goals
- Improved application performance speed by 8% by reducing unnecessary redundancies and improving organization of backend
- Mentored newly hired engineers in offshore for bringing them up to speed to support devops activities and perform release deployments.
- Implemented security of RDS by automating creation of encrypted read replicas in cross region fashion.
- Fostered culture of robust documentation as it pertained to release processes and CI/CD.

Motion Recruitment - AWS Dev Operations Engineer
Horsham, PA • 10/2014 - 01/2020

- Worked on setting up cloud infrastructure using AWS services- VPC, EC2, Auto Scaling, S3, Cloud watch, SNS etc
- Tested, automated and whitelisted software to be used in secure environments.
- Performed gap analysis procedures and detailed data reviews to optimize implementation.
- Configured custom AMIs, created AMI tags, modified AMI permissions, Created Security Groups, NACLs.
- Experienced in working as operational point of contact for cloud operations in technology operations center for whole CapitalOne.
- Deployed and maintained bastion servers for complete Capital One cloud infrastructure.
- Incorporated usage of AWS inspector to maintain compliance of EC2 instances.
- Performed internal audit for cloud teams using artifacts and reports from trusted advisor.
- Worked with multiple application teams in migrating them from on premises to Cloud environment as well as orchestrating them if needed.
- Developed automation and deployment utilities using Go, Python
- Co-ordinated with developers in establishing and applying appropriate branching, labeling conventions using GIT repositories.
- Integrated Datadog cloud monitoring tool with PagerDuty for triggering real time alerts to POCs
- Experienced in deployment of applications on Apache Webserver, Nginx and Application Servers such as Tomcat, JBoss.
- Created AWS Cloud formation templates for different environments (DEV/stage/prod) to automate Infrastructure (ELB, Cloud watch alarms, ASGs, SNS topics, RDS etc) on click of button
- Designed custom policies for S3 buckets/ objects for default encryption, user restriction, CP Data compliance regulations etc.
- Implemented custodian policies on whole AWS infrastructure for maintaining compliance and monitored metrics on daily basis for cost optimization.
- Carried out day-day-day duties accurately and efficiently.
- Maintained Resiliency for all migrated applications and successfully recovered them during manual disaster recovery exercises (X-TREX).
- Engineered, consulted and up skilled other engineers on cloud solutions and DevOps to include distributed version control and trunk based development practice, infrastructure automation, automated CI/CD pipelines, monitoring and operations.
- Worked on RPM and YUM package installations, patch and other server management.
- Virtualized servers using Docker for test environments and dev- environments needs. And also configuration automation using Docker containers, Mesos, marathon and microservices.

Catholic Health Initatives - AWS Cloud Administrator
City, STATE • 08/2013 - 10/2014

- Delivered solutions to improve Cloud architecture, deployment for AWS private and public cloud.
- Created and maintained documentation of build and release processes and application configuration to comply with audit requirements and industry best practices.
- Analyze and resolve conflicts related to merging of source code for GIT, BitBucket.
- Rehydrate AMIs of all servers to latest release every 60 days.
- Worked on DR strategy by Failover to US-WEST from US-EAST and failing back to US-EAST.
- Automated backups by shell for Linux to transfer data into S3 bucket.
- Automated Start/Stop of non-prod instances to reduce cost using lambda functions.
- Experience with setting up Jenkins, CI/CD builds for all releases on windows and Linux Debian.
- Implementation of OAuth server for client apps to access internal cloud resources along with OWIN OAuth 2.0 Authorization Server.
- Experienced in analyzing and monitoring performance bottlenecks and key metrics to optimize software and system performance.
- Expert in troubleshooting system connectivity issues using VPC flow logs
- Architected and performed migration of domain control servers to AWS production environment.
- Migrated SQL databases which are running several varieties of applications like digital dining, EPIC, PACS, Cerner, Apollo, Laser Arc etc.
- Worked on installation of HP DL380P G8 rack server from scratch. Enabled network cabling for server.
- Successfully migrated virtual machines from Hyper-V environment to VMware cloud environment.
- Created test environment and installed vcenter converter in test machine to convert and migrate virtual machines