

JESSICA CLAIRE

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Professional Summary

Confident AWS DevOps Engineer with a 7+ years' experience. Proven reputation for delivering elastic and secure cloud solutions that have helped solve critical problems for numerous organizations and corporations. A visionary professional with experience researching new technologies that aligns with strategic business needs. Meticulous, creative and can adapt to diverse work cultures while delivering prompt and sustainable cloud-based tasks. Collaborates with customers and teammates to develop and implement creative technical solutions to challenging problems. Well versed in numerous Networking skills, ensuring secure and seamless resource communications, combining financial and business goals with pragmatic end-user feedback to optimize post-production updates. Adept at working with technical and non-technical people to accomplish shared objectives and achieve business success with innovative technical solutions.

Skills

- Infrastructure as Code (IaC)
- Kubernetes
- GitHub
- PaaS Applications
- AWS ECS
- Azure DevOps
- CI/CD (Jenkins)
- Linux
- Docker
- AWS Networking
- Continuous Monitoring

Work History

DevOps Engineer, 04/2019 to 09/2022

Foundation Capital – Boston, MA

- Implemented a CI/CD pipeline using Azure DevOps in both cloud and on-premises with GIT, MS Build, Docker, Maven along with Jenkins plugins.
- Migrated a monolithic application from an On-Prem environment to the AWS cloud using AWS VPN. Refactored application into a Java based microservices application. Hosted application on AWS ECS run on an AWS Fargate + AWS EC2 configured cluster.
- Used Application performance management (APM) for iOS and Android web apps, Monitored request rates, performance counters, views and response times etc.
- Experience in migrating on-premises applications to Azure and configured VNETs and subnets as per the project requirement also performed PowerShell scripting to do Patching, Imaging, and Deployments in Azure.
- Created an Azure DevOps Continuous Integration, Continuous Deployment (CI/CD) Pipelines. Wrote K8s.Yml files for deployment, ingress and service for CI Pipeline and Kubernetes Cluster creation deployment files for CI pipeline. Created a CD Pipeline.
- Experience in migrating on-premises applications to Azure and configured VNETs and subnets as per the project requirement also performed PowerShell scripting to do Patching, Imaging, and Deployments in Azure.
- Built and deployed Docker containers hosted on Kubernetes to break up monolithic app into microservices resulting in improved developer workflow and an increase in speed and scalability.

AWS DevOps Engineer, 05/2017 to 02/2019

Management Decisions, Inc. – Bryn Athyn, PA

- Activated diverse cloud computing components to enhance and monitor Nestle's application from Android and iOS user signups, security, updates, scaling etc.
- Used the Jenkins automation server to deploy AWS CodeBuild artifacts with AWS CodeDeploy, created a functioning CI/CD pipeline. After implementation, CI/CD pipeline is triggered by code changes made on GitHub repo, automatically fed into CodeBuild, after which output is deployed on CodeDeploy
- Leveraged AWS VPN for an internet-based migration project. Configured VPN tunnel and secured tunnel using IPsec (AES Encryption). Initiated a round of Internet Key Exchange (IKE), using IKEv2. IKE complimented IPsec and IKE protocol standard using cryptographic algorithms in various combinations
- Deployed Containers on AWS ECS. Application was hosted on ECS clusters. Clusters were created using an IaaS approach: AWS EC2, giving full control of clusters with tasks such as scaling, load balancing, security filtering etc
- Used Github to store codes in repositories. Performed static code analysis using tools like Veracode, SonarQube etc. Built codes using build/dependency management tools such as Maven, Ant, Gradle
- Migrated a monolithic application from an On-Prem environment to the AWS cloud using AWS VPN. Refactored application into a Java based microservices application. Hosted application on AWS ECS run on an AWS Fargate + AWS EC2 configured cluster.
- Set up CI/CD pipelines for Microservices and integrated tools such as Maven, Bitbucket, SonarQube, Nexus, Docker, slack for providing immediate feedback to DEV teams after code check-in.
- Migrated components of a monolithic application into the AWS cloud over AWS Direct Connect using over a private virtual interface. Configured cloud VPN Gateway to enable migration of data into the cloud, while using a complementary Customer Gateway to enable connection with the On-Prem.

AWS SOLUTIONS ARCHITECT, 02/2015 to 03/2017

Addx Corporation – Alexandria, VA

- Managed users and permissions on AWS S3 bucket using IAM. Assigned S3FullAccess and S3ReadOnly policies respectively to different members of team, bearing in mind the principle of least privilege. Integrated S3 bucket with a web domain
- Used CloudFront distribution to serve bucket content globally using AWS Edge locations. Configured AWS Certificate Manager SSL for encryption in transit.
- Migrated data from On-Prem locations to multiple AWS VPCs in the cloud. Configured AWS Direct Connect to migrate data over private network and then launched an AWS Transit Gateway in the cloud to connect multiple VPCs. Linked Transit Gateway with a Direct Connect Gateway and then to Direct Connect to enable secure, seamless hybrid connections of multiple VPCs with the on-prem.
- Managed VPC and subnets for a three-tier application, initiated connections between different Availability Zones, blocked suspicious IP ranges in subnets via NACL.
- Configured CloudTrail to track user activities on EC2 based server applications Logged CloudTrail trail in CloudWatch logs for further analysis.
- Built a multiplayer, turn-based gaming application using Dynamo DB tables and items, AWS SNS, AWS Cognito, AWS Lambda and AWS Cloud9.

Education

Post Graduate Diploma: Journalism, 07/2009

University of Maiduguri - Maiduguri, Nigeria

Bachelor of Arts: Mass Communication, 05/2006

Olabisi Onabanjo University - Ogun State, Nigeria