

Objective: A seasoned DevOps engineer with 8.5 years of experience in building and maintaining scalable, reliable , secure and highly performant applications to innovate state-of-the-art infrastructure.

Skills

cloud: amazon web services | azure
ci/cd: gh actions | gitlab | jenkins
scripting: python | containers: docker
webserver: nginx | iis | apache
scm: github | gitlab
logging: elk | datadog
os: ubuntu | rhel | windows
monitoring: new relic | prtg | opsgenie
on-call: opsgenie | pagerduty

Education

UC, Kentucky 2018 - PRESENT
PH.D. IN INFORMATION TECHNOLOGY

California State University, LA 2014 - 2015
MASTER'S IN INFORMATION SYSTEMS

Osmania University - India 2011 - 2014
BACHELOR'S IN INFORMATION TECHNOLOGY



AWS STACK: CloudFormation, Data-Pipeline, vpc, Lambda, kms, rds, DynamoDB, docker(ecs), CodeCommit, CodePipeline, ec2, waf, Route53, acm, s3, FSx, ElasticCache(Redis), CloudFront, ElasticBeanstack, CloudwatchLogs, IAM, API Gateway, Kinesis

Experience

Nvidia Corp OCT 2021 - PRESENT
SENIOR ARCHITECT, CLOUD

- Leading a global team of six people for 24/7 on-call support across all major regions
- I'm also acting as an SME for CDN services, which led me to migrate and establish a caching layer for all the significant websites, boosting the performance to 40% globally.
- I have built all of the next-gen infrastructures using CloudFormation and Terraform, which is 100% delivered through CI/CD and an example of the GitOps model.
- I'm educating the team on best security practices around the infrastructure and CICD for better posture.
- Introduced SAST and DAST scanning tools and adapted them to CICD for advanced security.
- I have migrated and containerized over a hundred applications from the data-center approach to AWS, including Node, Python, and .Net core applications.
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- I have implemented Datadog and New Relic for logging, monitoring, synthetic checks, and APM for Node Js-based applications for better error tracking.
- I have educated and implemented a Git branching strategy for better code promotion and approval, which could lead to cleaner commits and fewer merges.

Environment: Windows, Ubuntu, NGINX, Apache, ELK, JIRA Data Center, Confluence, Akamai CDN, Constillix, Azure AD, New Relic, Datadog, Splunk Cloud, PagerDuty

AWS Stack: CloudFormation, DataPipeline, RDS, DynamoDB, Elastic Cache, IAM, Route53, API Gateway, IAM, ECS, Lambda, FSx, Kinesis Firehose, Patch Manager

Western Psychological Services JUN 2019 - OCT 2021
DEVOPS TECH LEAD

- I have led a team of five, which includes performance reviews, global coordination, work distribution, etc.
- Built Infrastructure for Micro Services using IaaS (CloudFormation) and Terraform for a few resources.
- Built one-click Infrastructure for the entire project running on AWS Fargate, enabled AWS WAF for applications to prevent attacks and implemented SAST and DAST on a few projects to provide better security through Code Deployments.
- I have migrated all Dotnet framework applications from on-premise servers to Docker on AWS Elastic Container Service.
- I have implemented Canary Deployments with A/B testing using CodeDeploy for AWS Serverless Application Model.
- I have implemented CI/CD using GitHub Actions, Jenkins, and Gitlab CI for various projects.
- I built custom Docker images to reduce build times for .NET framework applications. I also created docker images with Jenkins agent and made tools to launch on-demand agents on AWS Fargate or AWS CodeBuild, which has reduced our cost.
- Implemented DataDog for lambda and API gateway log collection. Integrated all apps to Azure AD for Single Sign-on.
- Architected AWS accounts using AWS Control Tower and Organizations and implemented SCP. Implemented AWS RAM to share resources across AWS accounts in ORG to reduce cost

Environment: Windows, Ubuntu, StackHawk, IIS, DataDog, , JIRA, Confluence, SQL Server.
AWS Stack: CloudFormation, Data-Pipeline, DynamoDB, Elastic Cache, IAM, Route53, API, IAM, Auto-Scaling, ECS, Athena, CloudFront, S3, KMS, Aurora, AWS SSO, AWS AD, AWS Workspaces.

Vivendi Ticketing FEB 2018 - MAY 2019
SENIOR DEVOPS ENGINEER

- Built the microservices infrastructure on AWS from the scratch (Creating VPC's/peering for multiple environments, use of CloudFormation SAML templates, Lambda's, CodePipilenes etc.).
- Built ELK stack for the search platform producing swift results. also stored API, Lambda CloudWatch & Server logs through beats plugin.
- Architected and trekked all WordPress servers from a single-point failure system on Rackspace by implementing redundancy & recyclable servers hosted on AWS Linux boxes with Nginx web server which fabricates s3, Lambda, CloudFront, MySQL on RDS, FSx and ALB.
- Built AWS DataPipeline as a cronjob and orchestrated the manner to seed the data onto PostgreSQL on RDS.
- Built AWS CodePipelines for Continuous Integration/Deployments across all the environments.
- Built and migrated legacy application running on Ec2 to AWS ECS-Docker.

Environment: Windows, Ubuntu, NGINX, IIS, ELK, WordPress, JIRA, Confluence.
AWS Stack: CloudFormation, DataPipeline, RDS, DynamoDB, Elastic Cache, IAM, Route53, API Gateway, IAM, ECS, Lambda, FSx

Znalytics Inc. NOV 2017 - FEB 2018
INFRASTRUCTURE ENGINEER

- Configured and administered Octopus deploy tool for .NET deployments and created NuGet packages for deployment in Dev, Demo, UAT and Prod and deployed the code to different environments located in Azure servers. Worked with TeamCity for build process.
- Was responsible for 24/7 on-call rotation for managing the prod servers and monitoring alerts.
- Worked on Chef for all the software configurations and modified Cookbooks and recipes for pushing the configurations onto various nodes.
- Managed the infrastructure on Amazon Web Services using CloudFormation.
- Worked on OpsGenie for incident management alerts - where infrastructure, system and application monitoring are hitched.

Environment: Windows Server 2016, TeamCity, Octopus Deploy, ProGet, Office 365, MS Teams, IIS, New Relic, PRTG, AWS, Microsoft Azure, Chef, Jira & Confluence, Bitbucket

AOL NOV 2016 - OCT 2017
DEVOPS ENGINEER

- Configured Amazon Web Services (AWS), Identity and Access management (IAM) users and groups for improved login authentication. Also, managed roles and permissions of users by developing robust policies
- Planned and reviewed configuration changes and applied as needed across all the environments Dev, QA, Staging and Production.
- Managed the scripting and automation of zero downtime blue-green production deployments.
- Was Involved in defining, documenting and maintaining the Application Release Roadmap.
- Experience with AWS CloudFormation for building and destroying resources on demand.

Environment: Chef, AWS, Jenkins, GIT, Cloudwatch, npm, Apache Tomcat, Ubuntu.

Universal Music Group FEB 2016 - OCT 2016
JR DEVOPS ENGINEER

- Involved in integration of various Build/Deployment tools to have Continuous Integration and Continuous Deployment builds around.
- Installed and configured an automated tool Chef, installed TeamCity/Octopus and setup GIT Repository.
- Used Kubernetes pod as a slave instance for continuous build integration.
- Building and configuring EC2 instance on AWS cloud platform, Configuration of Elastic Load Balancer (ELB) for traffic control for the EC2 instances.

Environment: AWS, Jenkins, GIT, Nagios, JIRA, Apache Tomcat, Chef, CentOS

Lotus Industries OCT 2012 - AUG 2014
SYSTEM ENGINEER (PART OF UNDER-GRAD COURSE WORK)

- Configured networks using routing protocols such as RIP, OSPF and BGP Cisco 3900 and 2900 series, Sound knowledge in the implementation, optimization, troubleshooting and documentation of LAN/WAN networking systems.
- Installed and Configured Jenkins for automating the deployment and responsible for design and maintenance of the GIT Repositories, views and the access control strategies, designed the project workflows/pipelines using Jenkins as CI tool.
- Worked with packet sniffer like Wireshark to trace dataflow and troubleshoot networks, worked along with the team in ticketing issues, deployed builds from development into QA environments with Jenkins.