Krishna Chaitanya

Sr. DevOps Engineer -- Hybrid

Cloud Infrastructure Specialist

Azure DevOps Engineer Expert

Email:

krishna75665@gmail.com

Mobile: +1 737-239-0951

EXPERIENCE SUMMARY

- 15+ Years of IT experience which includes 8+ Yrs. of DevOps Engineer experience in supporting, automating, optimizing, and leading activities in Microsoft Azure
- Experienced DevOps professional with a strong background in implementing and managing CI/CD pipelines, infrastructure automation, and cloud technologies. Passionate about optimizing software development processes and leveraging cutting-edge technologies to drive efficiency and scalability.
- Highly skilled and Certified Azure DevOps Engineer
- Experience in end-to-end Azure / AWS DevOps Solutions, Kubernetes Service, Docker, Terraform Automation, Azure IaaS/PaaS/SaaS, Databases, Networking, Linux, and load balancing
- Expert in writhing Terraform scripts to create, manage and delete resources in Azure / AWS such as Azure VM's, Storage accounts, service principals, key vaults, Azure web apps and creation of AKS, Network Security Groups, VNets, VPC's, Subnets, Application gateway's etc.
- Expertise in AWS and Azure platforms and its dimensions of scalability including EC2, Lambda, S3, EBS, VPC, ELB, AI, RDS, IAM, Elastic Container Service (Docker Containers), CloudFormation, CloudFront, CloudWatch, Redshift and other cloud services.
- Installing, Configuring and Deploying different tool using configuration management tool like Ansible
- Experience in CI/CD tools like Azure DevOps, Git, Jenkins, and Sonar code scan validations
- Excellent communication skills and ability to work/communicate with a group or individual at all levels of the development process.
- As a business analyst have expertise in End-to-end Business Analysis in the IT Product development; expertise in full software life-cycle implementation, upgrades, production support, rollout & enhancement from business analysis, testing, cut-over & migration, go-live assistance till post implementation support.
- Resourceful in bug tracking using JIRA and analyzing test results and preparing release notes.
- Good understanding of SDLC processes and Agile flavored development methodologies (Waterfall, Scrum and Agile Framework). Possess excellent skills in product domain understanding and gathering customer requirements.
- Strong analytical skills, ability to identify problems, research issues, and provide solutions.

KEY   **SKILLS:**   GIT, GitHub Jenkins,

Jira

Docker, Kubernetes, Terraform IT Software Project Management

Azure /AWS/ <mark>DevOps</mark>Business Analysis

System Design & Implementation   Software Development Life Cycle   Acceptance

CriteriaUser Interface/User Experience   Client

Relationship Management   Team Management

TECHNICAL SKILLS

SCM tools	: GIT, GitHub, Azure repos, AWS CodeCommit
CI/CD Tools	: Maven, Jenkins, Azure <mark>DevOps</mark>, Agro CD
Container Tools	: Docker, Kubernetes, Azure Kubernetes services
(AKS), EKSCloud Platforms	: Microsoft Azure, AWS
IAC Tool	: Terraform, Azure resource manager templates (ARM), Cloud Formation
Operating System	: Windows and Red Hat Linux
Bug Tracking Tool	: JIRA
Static Code analysis	: SonarQube

Monitoring   : Azure monitors, Cloud watch, Prometheus & Grafana.

CERTIFICATIONS

Microsoft Azure Administrator Associate

Certificate No: I706-3306 | Earned on: 26-Apr-22 |Expiry Date: 26-Apr-24

Azure DevOps Engineer Expert

Certificate No: I712-2468 | Earned on: 27-Apr-22 |Expiry Date: 27-Apr-24

PRINCE2 Foundation Certificate in Project Management

Certificate No: GR656141657KD | Expiry Date: NA

PRINCE2 Practitioner Certificate in Project Management
Certificate No: GR657065489KD | Expiry Date: 07-Mar-23

EMPLOYMENT HISTORY

Organization	Period	Designation
Denmac Solutions Inc Client : IBM / USAA	April 2023 – Till date	Sr DevOps Engineer
Kyndryl Solutions Private Limited (an IBM Spin-off company)	Nov 2021 – April 2023	Sr. DevOps Engineer –Hybrid Cloud
VM Works Private Limited(Possibleworks)	Oct 2019 –Nov 2021	DevOps Engineer
Peoplecart Private Limited	Mar 2015 – Sep 2019 Dec 2011 – Feb 2015	Build and release engineer | AzureDevOps Technical Analyst
Valuelabs Private Limited	Oct 2007 – Nov 2011	Executive Technical Support

PROJECT SUMMARY:
Denmac Solutions Inc   April 2023 – Till
Client: IBM / USAA
Sr.DevOps

EngineerKey

Result Areas:

- Developed and maintained Terraform scripts to define and manage infrastructure for cloud environments(AWS, Azure).
- Created reusable modules and configurations to streamline the provisioning of resources.
- Managed Kubernetes charts using Helm and created reproducible builds of the Kubernetes applications, templatize Kubernetes manifests, provide a set of configuration parameters to

customize the deploymentand Managed releases of Helm packages

- Creating alarms in CloudWatch service for monitoring the server performance, CPU Utilization, disk usage.
- Used Amazon RDS to create snapshot and automate backup of database.
- Provisioning of AWS / Azure instances using Terraform and creating modules to create infrastructure ofAWS / Azure.
- Configuring Kubernetes clusters and configuring Datadog agents for monitoring using terraform
- Configuring Aurora-PostgresSQL and DynamoDB with SSM parameter Store using terraform and Lambdafunctions.

- Integrated Terraform scripts into CI/CD pipelines (e.g., Jenkins, GitLab CI) to automate infrastructuredeployment.

Kyndryl Solutions Private Limited (an IBM Spin-off company	Nov2021 – April-

Sr. DevOps Engineer – Hybrid Cloud

Project: SunTec Xelerate Product

Description: SunTec is a leading e-commerce service provider helping retailers implement system solutions, optimize product listings, and manage content, across marketplaces.

Key Result Areas:

- Design workflows & process to automate application deployment.
- Leading the DevOps team supporting various applications & automation tools
- End-to-End ownership of CI/CD pipelines for automated deployments
- Writing Kubernetes manifest files and deploying them on Kubernetes clusters.
- Responsible for implementing containerized based applications on Azure Kubernetes by using Azure Kubernetes service (AKS) which are responsible for cluster management, Virtual Network to deploy agentnodes, Ingress API Gateway, MySQL Databases and Cosmo DB for stateless storage of external data.
- Upgraded AKS clusters from lower version to higher versions and resolved issues raised during ASKupgradation
- Used Terraform Configuration files for creating Azure infrastructure which consist of API Gateway, AzureLoad balancers (Network and Application), AKS Clusters, Azure Container Registries etc
- Advanced troubleshooting and monitoring of service systems to ensure adequate SLA, capacity andexpansion requirements are met for all customers
- Analyze reported issues, production outages, production logs, and customer feedback to identify ways toenhance product as well as make support processes more effective
- Build scheduling, creation and maintenance of source code repositories
- Implemented CD pipelines using ArgoCD
- Implemented Istio service mesh in a Kubernetes cluster to manage and secure microservices-basedapplications.
- Set up Istio's traffic routing rules to distribute incoming requests across multiple service instances. Implemented traffic splitting and canary deployments to gradually roll out new versions of microservices.
- Designed and implemented API Gateway as a central entry point to manage and route incoming APIrequests to appropriate backend services.
- Worked on designing and utilizing almost all of the main services of the AWS stack (like EC2, S3, RDS, VPC, IAM, ELB, ECR, Cloud watch, Route 53, Lambda and Cloud Formation, SNS) and Azure stack (like VNET, VMs,Disks, Blob, ARM, AKS, ACR and Azure DevOps) focused on high

availability, fault tolerance environment

- Develop internal platform for application monitoring, dashboarding, alerting platform (Prometheus with Grafana, Alert manager) for observability
- Good understanding of DevSecops tools like 'Trivy' for scanning container images to identify known Vulnerabilities in the installed software packages and dependencies and 'Kubesec' to evaluate Kubernetes YAML files and provides security recommendations.

VM Works Private Limited   **Oct 2019 –Nov**

==DevOps Engineer==

Project:

Possibleworks

Description:

Possibleworks is an AI driven Performance, Feedback & Engagement platform for workforce, globally. Possibleworks has its R&D center in Hyderabad, India and is serving clients across India, Americas, SEA & ME.

Key Result Areas:

- Primary responsible for managing and supporting CICD & Cloud infrastructure on Azure and AWS Cloud Platform.
- Extensive experience of designing CI/CD solutions from scratch. Implemented Java/.net based application CICD using Jenkins Declarative Pipelines and Azure <mark>DevOps</mark> Build and Release pipelines.
- Hands-on experience in Azure IAAS and PAAS components like Azure VM, Vnets, Key Vaults, Storage accounts, Load balancers, Availability sets, Application Gateway, NSGs, ASGs, Azure Monitors.
- Worked on provisioning Azure APP services & Azure batch pools using ARM templates
- Creating the GitHub Repo and Branches based on the requirement from Dev/QA Teams.
- Providing access for GitHub Repo / Jenkins jobs for different teams based on the requirement.
- Administrate, manage, setup and configure Jenkins for new developments.
- Developed and Implemented software release management strategies for various applications according to Agile process.
- Performed container management by writing Docker files using Docker and setup automated build on Docker hub, installed and configured Kubernetes.
- Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
- Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application
- Developed and Implemented software release management strategies for various applications according to agile process.
- Streamline the process of creating machine images by using AWS Packer and ensure consistency across AWS infrastructure.
- Worked on pre-release & post-release activities for monthly and hot-fix releases
- Good exposure on nexus repository management for multiple projects

Peoplecart Private Limited   **Dec 2011 – Sep**

Build and Release <mark>Engineer</mark>   Mar 2015 –Sep

2019 Project: Peoplecart

Description:

Peoplecart enables Workplace Innovation & Employee Engagement for global organizations. It provides knowledge & technology based solutions for Rewards & Performance Management. Peoplecart has its R&D center in Hyderabad, India and has regional sales hubs in USA, Canada, Singapore, Malaysia, UAE & Qatar

Key Result Areas:

- Extensive experience of designing CI/CD solutions using Jenkins from scratch.
- Experience with Jenkins Continuous Integration Server – Installation, Configuration, Design and Administration, and integrating other tools like GIT, JIRA and Artifactory.
- Responsible for GIT administration and maintain in-house hosted GitHub repositories. Analyze and resolve compilation and deployment errors related to code development and building of source code.
- As a Jenkins Admin responsible for creating & configuring Jenkins jobs regarding SNAPSHOT and CI for the Projects.
- Responsible for creating Builds and Deployments. Taking the source code and compiling using Maven and package it in its distributed format, such as a Jar, War and EAR.
- Implementing fully automated server build, management, monitoring and deployment solutions spanning multiple platforms, DevOps tools and technologies including Jenkins Nodes/Agent, SCRUM and Agile projects.
- Creating Jenkins jobs to perform build, code analysis, test and deployment
- Troubleshoot and fix the errors that arise during the build phase and provide technical support for devolvement team regarding the issue

- Performing deployments to multiple environments like DEV, QA, Pre-Prod / UAT and PROD

- Performing Horizontal and Vertical auto scaling in Kubernetes cluster based on the demand.

- Good experience on Terraform Cloud Infra Provision tool.

Technical Analyst   **Dec 2011 –Feb 2015**

Project: Ask Your Deal, Peoplecart

Description:

Askyourdeal is member-only online community for deals in non-standard & Non shippable products such as cars, real estate, building materials, furniture and many others. It provides solutions for procurement & employee reward management programs.

Key Result Areas:

- Maintain a Live like environment to test any production issues on the setup and push into production.

- Maintain system availability as per multiple Service Level Agreements (SLA)

- Prepare project plan and obtain management approval of the project plan.

- Apply project resources according to the approved project plan.

- Setup/Managing Servers on Amazon (EC2, EBS, ELB,VPC, RDS and IAM)

- Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, Security Groups, RDS and IAM)

- Setup and managed security groups, VPC specific to environment.

- Attaching or deleting EBS volume to AWS EC2 instance.

- Implementing Auto Scaling

- Setup and managed backup and recovery using snapshot.

- Training and communicating with the developers and QA team during implementation phase and resolving requirement issues.

- Involved in discussions with stakeholders, SMEs, system architects and technical teams through channeled/phased meetings and Joint Application Development (JAD) sessions.

- Lead the backlog grooming meetings across each sprint for enhancements/changes in the user stories for updating in the next sprint.

- Skilled in strengthening the delivery of high-quality project delivery, customer experience, process excellence, client success, elevating customer satisfaction, management of effective client service relationship within the accounts while adhering to the SLAs and work processes and thus managing cost-effective operations

- Working directly with product owners and stakeholders to elicit their feedback on customer satisfaction items

- Analysing existing customer satisfaction functionality requests for providing business-

value based recommendations to Product Owners

- Facilitating requirement JADs, root cause analysis and other requirements workshops

Accomplishments:

- Travelled Twice to Sidra Medical and Research Centre, Qatar – For successful implementation of Rewards & Recognition program to Sidra employees.
- Travelled to Kohler, Shanghai, China – For successful implementation of Rewards & Recognition program to Kohler employees.

Valuelabs Private Limited	Oct 2007 – Nov

Client: HP (Hewlett Packard), San Francisco, USA

Executive Technical

Support Project: Snapfish

Description:

Snapfish is a leading online photo service with more than 70 million members and one billion unique photos stored online. Snapfish enable members to share, print and store their most important photo memories at the lowest prices-online or off.

Key Result Areas

- Analysing User stories and preparing Test cases

- Create and execute Unit test cases in SIT & UAT environments

- Prepared test plans for the testing team and performed user acceptance testing in the final project

- Executing Test cases for Functionality testing, System testing, Regression testing, back end tables verification.

- Involved in Acceptance testing, Functionality testing, User acceptance testing, Performance testing, Regression testing, Cross-Platform/browser testing, Configuration testing etc.

- Involved in issue resolution by interacting with developers and project managers

- Production level support for onsite and offshore teams during development and deployment.

- Participating in weekly status meetings with the team, developers to discuss open issues.

- Participating in Post Mortem meetings with team and developers after the Release to discuss on how the QA phase went on and any improvements for the next release.

EDUCATION

B.Tech. (Computer Science Information technology), JNTU University

Krishna Chaitanya

- Plano, TX, US

Contact Information

- vrp-2n9-9ye@mail.dice.com

- 7372390951

Work History

Total Work Experience: 17 years

- **Devops Engineer IBM / USAA**
  Apr 01, 2023

- **Devops Engineer IBM Spin-Off Company**
  Nov 01, 2021

- **Devops Engineer VM Works Private Limited**
  Oct 01, 2019

- **Devops Engineer Ask Your Deal, Peoplecart**
  Dec 01, 2011

- **Devops Engineer Peoplecart**
  Dec 01, 2011

- **Devops Engineer HP (Hewlett Packard), San Francisco, USA**
  Oct 01, 2007

Skills

- **devops engineer** - 17 years

Work Preferences

- Desired Work Settings: Remote
- Likely to Switch: True
- Willing to Relocate: False
- Travel Preference: 0%
- Work Authorization:
    - US
- Work Documents:
    - Have H1 Visa
- Security Clearance: False
- Third Party: True
- Employment Type:
    - Contract - Corp-to-Corp

Profile Sources

- Dice: https://www.dice.com/employer/talent/profile/bcef01702d75e16f0acdc0bea354f194