

CHANDRAHAS REDDY KOMMA

DEVOPS ENGINEER

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Chicago, IL-USA

SKILLS

Methodology: SDLC, Agile, Waterfall, Scrum

Programming Languages: Python, Java, Tableau, JavaScript, HTML, C, C++, SQL, HTML5, PHP

Configuration Management Tools: Chef, Ansible, Nagios, AWS Systems Manager, Puppet

Containerization and Orchestration Tools: Docker, Kubernetes, AWS Elastic Container Service (ECS), Terraform, OpenShift, Helm Charts

Cloud Platforms: Amazon Web Services (AWS), Microsoft Azure (Azure DevOps, Azure Resource Manager, Azure Kubernetes Service, Azure Monitor), Google Cloud Platform (GCP)

Networking: Amazon VPC, Route 53, Load Balancers, VMware, LTE/VoLTE/5G, DNS, Wireshark, TCP/IP

DevOps Tools: Jenkins, AWS Code Pipeline, Terraform, Ansible

AWS Services: EC2, ELB, IAM, S3, Cloud Watch, Redshift, Autoscaling, Cloud Formation

CI-CD/Build Tools: Maven, Gradle, Jenkins, GitLab CI

Scripting Languages: Shell, Node.JS, PowerShell, Bash, Putty, Perl, SQL, Ruby

Monitoring and Logging: AWS CloudWatch, ELK Stack (Elasticsearch, Logstash, Kibana), Nagios, Splunk, Grafana, Prometheus, OpenStack, New Relic

Databases: SQL Server, MySQL, Amazon RDS, PostgreSQL, NoSQL, DynamoDB, MongoDB

Security: AWS Identity and Access Management (IAM), AWS Key Management Service (KMS), AWS Cloud Formation

Web Servers: Apache Tomcat, Nginx

Code Quality: SonarQube

Version Control Tools: Git, Azure Repos, GitHub, Jira, Junit, Subversion (SVN), Bit Bucket, VMWare ESXi

Operating Systems: Windows, Linux, Unix, Ubuntu

EDUCATION

Master of Science in Computer and Information Science
Wichita State University, Wichita, KS, USA | GPA: 3.74/4.0
(Jan 2022- Dec 2023)

Bachelor of Technology in Computer Science and Engineering
Gitam School of Technology, Bengaluru, Karnataka, India
(Jun 2017- Jun 2021) | GPA: 6.55/10.0

SUMMARY

- 4+ years of working experience as a DevOps engineer and also an excellent knowledge of Linux systems, Cloud and monitoring processes and experience in designing, implementing RESTful APIs, and maintaining scalable infrastructure solutions, code reviews, managing cloud infrastructure solutions on Microsoft Azure.
- Excellent knowledge of Software Development Life Cycle (SDLC), Agile, Internet Protocol (IP) and Waterfall development methodologies.
- Worked Closely with Machine learning engineers, Software developers, project managers and stakeholders to integrate large language models into our application.
- Expert in using configuration management tools like Docker, Puppet and Ansible and Sanity testing.
- Ability to install and configure Kubernetes, clustering them and manage local deployments in Kubernetes.
- Proficient in querying RDBMS such as MySQL and SQL Server and Gitlab pipelines, helm, confluence, and compliance.
- Proficiency in setting up the CI/CD pipelines using Jenkins, GitHub, Chef, Terraform and AWS.
- Proven knowledge of Amazon AWS cloud creating EC2 instances, VPC, 4G & 5G Core, security groups, EC2 container services, and Amazon elastic block store & perform test plan analysis.
- Extensive experience in version control systems like Subversion, Git and used Source code management tools GitHub and Spring Integration, Spring Boot, Bitbucket including command-line applications.
- Experience in maintaining AWS (Amazon Web Services) EC2 (Elastic Cloud Computing) resources like instances, EBS volumes, snapshots, ELB (Elastic Load Balancers), AMI's, security Groups, Elastic IP's, Key pairs, and Amazon Cloud watch for different zones in development.

EXPERIENCE

DevOps Engineer - Assurant, KS, USA | Feb 2024 – Current

- Building and maintaining CI/CD pipelines, continuous improvement for code deployment using GitHub, Jenkins, Maven, Ansible, and Kubernetes.
- Working with project development teams following Waterfall methodologies and can design source code branching, release life cycles, and CI/CD pipelines based on pace and project deliverables.
- Using GitHub Actions to automate end-to-end CI/CD platforms to automate build, test, customize, and execute software development workflows.
- Advised and enforced CI/CD pipeline's security best practices.
- Compiling and managing source code packaged to WAR file and deployed to Tomcat servers.
- Developed and deployed new systems and infrastructure while following IAC best practices using terraform and CloudFormation. Automated continuous integration and deployments using Jenkins with Docker and store images at Docker registry. Knowledge of Lambda, API Gateway, SQS, DynamoDB, EMR.

DevOps Cloud Engineer- KPIT Technologies, KS, USA | Jan 2023- Oct 2023

- Built and maintained Docker containers for application deployment.
- Experienced in writing and maintaining documentation on development practices and systems.
- Developed and presented DevOps solutions and procedures across many disciplines and team members reducing production costs. Troubleshoot system related problems.
- Responsible for distributed and managed services, automating the installation, configuration, and maintenance of platform services.
- Manage system tuning for reliability and efficiency and guide and manage software releases for new features and support users through consolidation and knowledge of XML technologies, React framework.
- Built bash shell scripts for tasks automation. Installed and configured HAP Roxy load balancers.
- Worked on Docker containers and created images for various environments.
- Designed and implemented CI/CD pipelines using Jenkins, Git, and Docker, reducing deployment time by 50% and improving release frequency. Perform the administrative operation of server hardware and software.
- Automated infrastructure provisioning and configuration management using Terraform and Ansible, resulting in improved scalability, reliability, and cost efficiency.
- Orchestrated containerized applications using Kubernetes, optimizing resource utilization, and ensuring high availability and fault tolerance.
- Managed cloud infrastructure on AWS, including EC2, S3, RDS, and Lambda, leveraging Infrastructure as Code (IaC) principles. Good communication skills and problem-solving skills.

DevOps Engineer- Fusion Software, India | Jan 2019 - Nov 2021

- Participated and best practices of SDLC and Waterfall methodologies. Designed and built a continuous integration and deployment framework for Chef Code using test driven development.
- Used Kubernetes to deploy scale, load balance, scale and manage docker containers with multiple named spaced versions.
- Developed build and Deployment Scripts using Gradle as build tool in Jenkins to move from one environment to other environments.
- Configured and Deployed application packages on to the Apache Tomcat server.
- Architected and designed a rapid deployment method using Chef and Ansible to auto-deploy servers as needed. Created and maintained user accounts, roles on MySQL and SQL servers.
- Configured Docker containers and created Docker files for different environments.
- Designed, configured, and managed public/private cloud infrastructures, utilized Amazon Web Services (AWS), including EC2, Virtual Private Cloud (VPC), Public and Private Subnets, Security Groups, Route Tables, Elastic Load Balancer and AMI.
- Involved in the calibration of HPLC and GC, and checked its accuracy, detection limits, noise level, precision, reproducibility, repeatability, and robustness.
- Implemented monitoring and alerting solutions using Prometheus, ELK Stack, and Grafana, enabling proactive detection and resolution of issues.