

DITTAKAVI KOUSIK

Aws DevOps Engineer

CONTACT



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EDUCATION

- Bachelor of Technology (Computer Science Engineering)

Jawaharlal Nehru Technological University, Kakinada



IT SKILLS

- Linux
- Shell
- AWS
- Git
- Github
- Maven
- Nexus
- Sonarqube
- Jenkins CI/CD
- Docker
- Ansible
- Terraform
- Kubernetes
- Nagios
- Splunk
- Helm Charts
- ServiceNow
- Jira
- Apache Tomcat
- Nginx
- Prometheus
- ElasticSearch
- Grafana

PROFESSIONAL SUMMARY

DevOps Engineer with **4 years experience** Led Agile-driven initiatives, collaborating with cross-functional teams to optimize cloud environments, seeking challenging opportunities in AWS, Python, GitLab, Terraform, Jenkins, and Kubernetes.

PROFESSIONAL OVERVIEW

Roles and Responsibilities

- Optimized Linux server infrastructure, managing RHEL, Ubuntu, CentOS, and Amazon Linux systems; streamlined routine tasks through shell scripting, saving 20+ man-hours weekly and enhancing operational productivity.
- Collaborated with development teams to seamlessly integrate Maven, Nexus, and SonarQube into Jenkins pipelines, enhancing code quality and reducing bugs by 30%.
- Pioneered the utilization of Git and GitHub/Bitbucket branching strategies, driving a 25% enhancement in code change management, conflict resolution efficiency, and code quality assurance.
- Directed successful implementation of AWS services, managing EC2, EBS, ELB, S3, RDS, IAM, Lambda, CloudFront, Route 53; adeptly configured VPC components including subnets, route tables, internet gateways, and NAT gateways.
- Deployed Ansible playbooks and roles to automate complex multi-tier app deployment, reducing deployment time by 50% and achieving seamless consistency across environments.
- Directed the deployment of services on AWS infrastructure utilizing Terraform, improving system efficiency and scalability; enabled seamless customer interactions and achieved a 25% increase in website traffic.
- Orchestrated the migration of legacy infrastructures to Docker, Docker Compose, and Kubernetes, resulting in a 40% decrease in deployment time and a 30% improvement in application scalability and performance.
- Integrated monitoring solutions leveraging Prometheus, Splunk, Grafana & ELK; improved system performance, resulting in a 30% decrease in incident response time and 20% increase in overall system availability.

WORK EXPERIENCE

Capgemini Technology Services India Limited, Hyderabad (03-2022 - Present)

Designation: DevOps Engineer

Client: HSBC Payments

- Collaborated the integration of Git version control for Shell/Bash, Terraform, and Ansible scripts, establishing unified code repositories for seamless management and enhanced efficiency.
- Planned and Executed Docker containers, including creating Docker images, writing Docker files in YAML, and configuring container orchestration for seamless deployment and scaling.
- Developed and integrated Kubernetes components such as pods, services, and deployments, achieving 99.99% system uptime and a 25% improvement in resource allocation efficiency, aligning with industry best practices for scalability and reliability.
- Architected microservices within EKS cluster on AWS, incorporating 3 node groups and auto-scaling; increased application uptime by 20% and reduced deployment time by 30%.
- Developed and Enhanced AWS cloud architectures, covering VPC, EC2, EBS, Load Balancers, Lambda, CloudFront, S3 buckets, RDS databases, IAM, Autoscaling, Route53, to align with business needs.

Selinis Software Pvt. Ltd., Hyderabad (04-2020 - 02-2022)

Designation: AWS Systems Engineer

Client: Golden west Financial

- Established Linux system in user administration, package deployment, and disk management & shell script for automated deletion of logs to reduce manual work.
- Created the streamlining of Jenkins pipelines, automating software builds, testing, and deployments; resulting in a 40% reduction in deployment time and 25% increase in release frequency.
- Executed monitoring and performance tuning of Nexus repository, optimizing storage utilization and enhancing system scalability; improved artifact retrieval speed by 40% and supported the seamless delivery of critical software updates to end-users.
- Implemented the deployment of SonarQube to analyze code quality, pinpointing and addressing 1500+ bugs, code smells, and vulnerabilities; increased overall codebase quality and reduced technical debt by 30%.
- Engineered the deployment of Prometheus & ELK to capture and store 1M+ time-series metrics daily, leading to a 40% increase in system performance and 20% reduction in incident response time.

Designation: UI DEVELOPER (12-2017 - 03-2020)

Client: Hershey Foods, USA

- Designing and developing user interface using HTML, CSS, JAVASCRIPT.
- Understanding the technical and functional specifications.
- Used Responsive web design templates to meet cutting-edge technology requirements.
- Worked on Troubleshooting of reported problems.

