

# DITTAKAVI KOUSIK

## Aws DevOps Engineer

Address : 170/C flat no 402 Addagutta society KPHB colony Hyderabad, Telangana (500072)

### 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.

### 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

### 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.

**Selinis Software Pvt. Ltd., Hyderabad** (12-2017 - 03-2020)

**Designation:** UI DEVELOPER

**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.