

Rashmi Sahu



DevOps Engineer

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PROFILE SUMMARY

Experienced IT professional with 7 years of expertise, including over 4 years as a dedicated DevOps Engineer specializing in cloud computing and automation. Proven ability to design, deploy, and manage scalable, secure, and cost-effective cloud solutions. Proficient in leveraging AWS services such as EC2, VPC, Load Balancers, Auto Scaling, S3, CloudFormation, and more. Skilled in infrastructure as code (IaC) using Terraform and adept at container orchestration with Kubernetes and Docker. Well-versed in continuous integration/continuous deployment (CI/CD) pipelines with Jenkins and source code management tools like Git and GitHub. Demonstrates a solid understanding of system performance, monitoring, API deployment, and security best practices. Passionate about optimizing performance and driving innovation to achieve project success.

Key Skills:

- **Cloud Expertise:** Hands-on experience with AWS services including EC2, VPC, Load Balancers, Auto Scaling, S3, CloudWatch, CloudFormation, CloudFront, Route53, EKS, ECS, and Lambda.
- **Automation and Orchestration:** Expertise in Terraform, Kubernetes, and Docker for scalable infrastructure and application management.
- **CI/CD Pipelines:** Proficient in building and managing CI/CD workflows using Jenkins.
- **Monitoring and Observability:** Skilled in system performance monitoring and implementing observability solutions.
- **API Management:** Strong knowledge of API deployment, security, and performance optimization.
- **Performance Optimization:** Focused on cost management and system efficiency.
- **Observability Focus:** Worked on observability solutions using tools like Splunk, Observe, Grafana, and Prometheus.

TECHNICAL SKILLS

AWS (EC2, VPC, Load Balancers, Auto Scaling, S3, CloudWatch, CloudFormation, Route53, EKS, ECS, Lambda), Jenkins, Docker, Kubernetes, Terraform, Ansible, GIT, GitHub, Shell Scripting, Bash, Python Scripting, Prometheus, Grafana, WAF, Linux.

Basic knowledge of MySQL, Postgres.

Agile Methodologies and Scrum practices.

WORK EXPERIENCE

DevOps Engineer

JoulesToWatts - Project Client: Accenture

Project name: Platform enablement

Client: CBA India

Role: DevOps Infra Engineer

- Automated API deployments using CI/CD pipelines (e.g., Jenkins) and managed API gateways (AWS API Gateway, Kong, NGINX) for routing, scaling, and access control.
- Created ECS clusters to host and manage API gateways, ensuring high availability and scalability.
- Integrated monitoring tools (Prometheus, Grafana) and set up alerts for performance optimization and downtime.
- Configured API security with OAuth2, JWT, API keys, and SSL/TLS; conducted vulnerability scans using SonarQube and OWASP ZAP.
- Designed zero-downtime deployment strategies and optimized API response times with caching (AWS CloudFront, Redis).

07/2024 – 12/2024
BENGALURU, India

- Reduced infrastructure costs through resource optimization and regular cloud expense reviews.
- Developed and maintained custom Python scripts to automate routine tasks, such as system monitoring, log analysis, and application deployment, improving efficiency and reducing manual effort.
- Designed and implemented end-to-end observability solutions using tools like Splunk, Grafana, and Prometheus, enabling real-time monitoring and troubleshooting of distributed systems.

DevOps Engineer-1

Connect and Heal Primary Care Pvt. Ltd.

06/2023 – 06/2024
Bangalore, India

- Designed and deployed EKS infrastructure, including multi-AZ VPCs for secure and scalable containerized applications.
- Implemented CI/CD pipelines to reduce deployment times and improve system stability.
- Managed and optimized AWS cloud infrastructure, achieving significant cost savings.
- Set up and monitored infrastructure using AWS CloudWatch, Prometheus, and Grafana for proactive alerting and performance optimization.
- Configured Elasticsearch clusters for efficient log analysis and integrated Wazuh for enhanced SIEM capabilities.
- Automated system backup, recovery processes, and implemented best practices for data security.
- Proficient in managing and optimizing ELK Stack (Elasticsearch, Logstash, Kibana) for log analysis and visualization.
- Implemented and maintained SIEM solutions to enhance security monitoring and incident response.
- Built custom Python-based tools for monitoring and alerting, tailored to specific project needs, improving observability and system reliability.
- Created Python scripts for parsing and processing logs from ELK and Splunk, generating actionable insights and custom reports for performance and security analysis.

DevOps Engineer

Microtechnologies India

04/2020 – 05/2023
Bhopal, India

- Designed, built, tested, and maintained Continuous Integration and Continuous Delivery (CI/CD) pipelines using tools like Jenkins, Maven, and GIT.
- Automated testing, deployment, and monitoring of code to streamline development and release workflows.
- Collaborated closely with development and operations teams to ensure applications met performance expectations and customer requirements.
- Built and configured new development tools and infrastructure to enhance team productivity.
- Automated and improved development and release processes by testing, examining code, and analyzing results for quality assurance.
- Worked alongside developers and engineers to ensure adherence to established processes and that software functioned as intended.

Worked as Team Leader, Technical Support

Solaris Infotech Solution Pvt Ltd

08/2017 – 03/2020
Delhi, India

- Supported school clients by installing and configuring SISPL School ERP with MS SQL databases.
- Guided a 6-member team in troubleshooting and resolving technical issues.
- Communicated client feedback to the project manager for software improvements.
- Provided training to new team members and ensured smooth software operation through testing and troubleshooting.

EDUCATION

Bachelor of Engineering in Electronics and Communication

Sagar Institute of Science and Technology
Secured 78%

2010 – 2014
Bhopal, India

12th

Krishna Public School

2010
Bhilai, India

INTERESTS

Gardening, listening to music, practicing yoga and meditation, and exploring new learning opportunities.

DECLARATION

I hereby declare that all the details provided above are true to the best of my knowledge.

Rashmi Sahu
Bangalore