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Delhi, India
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Rishaw Kumar
DevOps Engineer / Cloud Engineer

Portfolio: Rishaw.com
github.com/rishawsingh
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DevOps Engineer with 2+ years of experience in designing, implementing, and maintaining infrastructure solutions for software development and deployment. Strong knowledge of Linux systems administration, cloud services, and automation tools such as Terraform and Jenkins. Proven ability to collaborate effectively with cross-functional teams to deliver reliable and scalable software solutions. Familiar with containerization technologies like Docker and Kubernetes. Strong analytical and problem-solving skills, with a focus on continuous improvement and efficiency.

SKILLS

Technical Skill	Linux, Network Security, Python, MSSQL, Shell Scripting, Git, Github, Azure, Docker, Kubernetes, Jenkins, Prometheus, Grafana, Terraform, AWS, Helm, Amazon RDS, SQS, VPC, Amazon EC2, S3, DynamoDB, Git, Bash, Amazon Web Services, NGINX, DNS, Automation, CI/CD, GitHub Actions, ECS, EKS, VPC, IIS, Dynatrace, Confluence/JIRA, Windows Server, HAProxy, Telegraf, Rapid7, Bitbucket
Soft Skills	Critical Thinking, Leadership, Technical Content Writing, Collaborative Abilities, Decisive, Insightful
Communication	English, Hindi, Nepali, Bengali

EDUCATION

Bachelor of Technology in Computer Science, *IEC College Of Engineering And Technology*   2019- 2023
8.0 CGPA

WORK EXPERIENCE

Devops Engineer 02/2024 — Present

Graebert Softwares   *Remote*

- Managed Bitbucket repositories, utilizing Docker and Python scripts to streamline development workflows and enhance version control processes.
- Developed and implemented AWS Lambda functions to automate EC2 instance scaling (up/down) and configured notifications for stakeholders, alongside building complex Lambda-based automation solutions.
- Updated and maintained Telegraf and Rapid7 agents across infrastructure to ensure robust monitoring and security compliance.
- Designed and integrated Jenkins pipelines to automate CI/CD processes for production, staging, and development environments, improving deployment efficiency.
- Executed OS upgrades from Ubuntu 20.04 to 24.04 across systems, ensuring compatibility and minimizing downtime.
- Upgraded AWS EC2 instance metadata service from IMDSv2 to IMDSv3, enhancing security and access control.
- Managed RDS database upgrades from version 10 to 16, optimizing performance and ensuring data integrity during migrations.
- Created optimized, multistage Dockerfiles to reduce image size and improve build efficiency for containerized applications.
- Configured Route 53 health checks for endpoint monitoring, ensuring high availability and reliability of services.
- Wrote LEQL queries in Rapid7 to develop custom dashboards, enabling real-time insights into infrastructure performance and security metrics.
- Tech Stack - Docker, AWS, Python scripting, Bash ScriptingECS, EC2, Bastion Host, VPC, Jenkins(Master-Slave Architecture), RDS, DynamoDB, Lambda, Cloudformation, Bitbucket, Telegraf, HAProxy, Rapid7, Prometheus and Grafana, WAF

Cloud Specialist 08/2023 — Present

Hyland   *Remote*

- Managed client cases using Salesforce Cadalys, ensuring timely resolution and high customer satisfaction.
- Monitored production environments via PagerDuty, Dynatrace, and Hostmonitor, reducing downtime and ensuring stability.
- Automated infrastructure management using Terraform, optimizing AWS EC2 instance performance and scalability.
- Conducted daily smoke tests for high-priority clients, validating system performance and uptime.
- Administered Citrix Workspace and Citrix environments, customizing user profiles, and configuring virtual applications.
- Implemented CI/CD pipelines and contributed to monthly patching activities, ensuring smooth operations and compliance.
- Managed Active Directory and SFTP for secure data transfer and user management.
- Updated customer certificates and resolved certificate-related issues to maintain system security and compliance.
- Tech Stack - IIS, Cadalys, Confluence/JIRA, Dynatrace, System Monitoring, Octopus Deploy, RoyalTS, SLA, AWS, OnBase, EC2, CSR, VPC, CI/CD, Ansible · Splunk · PagerDuty, Hostmonitor, Active Directory, VMware vSphere, Salesforce Integration, Terraform

DevOps Engineer 06/2022 — 04/2023

RemoteState   *Noida*

- Design,implement and maintain scalable, secure and highly-available infrastructure solutions for software development and deployment resulting in increase of system efficiency and reduction in 15%-25% infrastructure costs.
- Collaborated on reliable, scalable software solutions for customer satisfaction and increase in project delivery speed.

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- Upgraded build performance through the use of build caching, reducing build time by 30%.
- Configured and maintained Kubernetes clusters, including node group scaling and cluster upgrades.
- Implemented RBAC policies to manage access control within the Kubernetes environment.
- Utilized Kubernetes node selectors to ensure pods were scheduled on nodes with specific labels, optimizing resource utilization and meeting application requirements.
- Integrated AWS ALB Ingress Controller (ALB-IC) with EKS for efficient load balancing and configured AWS Route 53 for DNS management, enabling consistent service availability.
- Streamlined CI/CD pipelines, using Jenkins and Github Actions.
- Managed virtualized and cloud environments (AWS, Azure, GCP).
- Projects- Prudential, Frisq, Store-X, StoryMagic, Rengo, Frisq
- Tech Stack- AWS, ECS, ECR, Docker, Terraform, Github, Github Actions, s3, IAM, VPC, Git, RDS, Helm, Kubernetes, GCP, Prometheus, Jenkins, Grafana etc.

OTHER EXPERIENCES

Devops Engineer (Freelance) 06/2023 — 08/2023
Mobilicis   *Remote*
- Led the migration to Amazon EKS for container orchestration, improving scalability and reliability.
- Integrated AWS ALB Ingress Controller (ALB-IC) with EKS for efficient load balancing and configured AWS Route 53 for DNS management, enabling consistent service availability.
- Developed and maintained CI/CD pipelines with Jenkins, GitHub, and Docker, automating deployment processes.
- Managed AWS EC2 instances, reducing infrastructure costs by 28.3%.
- Implemented Disaster Recovery plans, ensuring system uptime and data integrity.
- Tech Stack: AWS, EC2, Docker, docker-compose, jenkins, github, github action, VPC, Terraform, Network security, etc.

Devops Content Writer (Freelance)
GeeksForGeeks   *Remote*
- Written various articles related to Devops.
- Tech Stack- AWS, Kubernetes, Docker, Azure, Helm, Devops, Git, Github etc.

Backend Devops Engineer (Intern) 04/2022 — 06/2022
SV Clicks   *Remote*
- Implement and manage containerization technologies such as Docker and Kubernetes.
- Monitored and optimized system performance for increase in overall performance.
- Tech Stack- Cloudwatch, AWS, EKS, Docker, VPC, Route 53, RDS.

Student Intern at Future Ready Talent 09/2021 — 01/2022
Microsoft   *Remote*
- Gained knowledge by analyzing of how things work at the backend of the project using various Azure services with hands-on experience.
- Developed and deployed Azure Web Application to estimate body fat percentage with 85% accuracy.
- Tech Stack- Azure, Github.

CERTIFICATIONS

AWS Certified Cloud Practitioner (CLF-C01).	2023
Microsoft Certified: DevOps Engineer Expert (AZ-400).	2022
Microsoft Certified: Azure Administrator Associate (AZ-104).	2022
Microsoft Certified: Azure Fundamentals(AZ-900).	2021