



Rahul Kumar

DevOps Engineer

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Delhi

SUMMARY

Experienced DevOps Engineer with over 3.6 years of experience driving seamless software development and delivery through the implementation of robust infrastructure, automated deployment processes, and agile methodologies. Adept at leveraging cutting-edge technologies and cloud platforms to optimize efficiency, scalability, and security. Proven expertise in building and managing CI/CD pipelines, utilizing tools such as AWS DevOps, Docker, Kubernetes, Jenkins, Git, and scripting languages like Bash. Strong problem-solving skills, with a focus on optimizing operations and reducing downtime. Skilled in leading cross-functional teams, fostering collaboration, and effectively communicating complex technical concepts to diverse stakeholders. Committed to staying abreast of industry trends and emerging technologies to drive continuous improvement and innovation

TECHNICAL SKILLS

Database: MySQL

Cloud: Amazon Web Services (AWS) , Hostgator and Azure.

Other: Git, GitHub, Bit-Bucket, **Docker, Kubernetes, Maven, JIRA, Jenkins, Linux, Ansible,, Redis, ELK, Apache Tomcat, Nginx Moodle and AWS DevOps**

Tools: Visual Studio Code, Visual Studio, Putty,Git-bash

KEY SKILLS

• **AWS DevOps • Continuous Integration and Continuous Deployment • Continuous Integration and Continuous Delivery • Debugging • Automation • APIs • Build Tools • Infrastructure as code (IaC) • Leadership skills • Analytical skills • Creativity • Problem Solving • Quick Learner**

PROFESSIONAL EXPERIENCE

Executive DevOps

Ratna Sagar P. Ltd

[Sep '23 - Present] Delhi, IN

- Application Deployment – **Node.js, Next.js, React, PHP, Angular, Laravel.**
- Managing AWS services such as IAM, VPC, EC2, Route53, Load Balancer, CloudWatch, Cloudfront, S3, EBS, and more, to guarantee optimal performance, availability, and cost efficiency.
- Managing **Hostgator Server.**
- Performed end-to-end responsibilities encompassing the installation, configuration, and troubleshooting of application servers, notably **Apache Tomcat, and web servers, including Apache HTTPD and Nginx**
- Deployed end-to-end Databases on Servers.
- Setup and configure **SSL** on servers
- Deployed and configured Redis cluster setup in the infrastructure to enhancing database caching capabilities to optimize performance and data retrieval.
- Designed and implemented robust CI/CD pipelines using **Jenkins, Bit-Bucket, GitHub, Azure and AWS..**
- Integrated automated testing into CI/CD pipelines to ensure the reliability and quality of software releases.
- Implemented auto-scaling solutions based on demand patterns, reducing infrastructure costs during low-traffic periods.
- Maintained infrastructure as code (IaC) using tools such as CloudFormation, resulting in a 30% reduction in deployment time.
- Collaborated with cross-functional teams to troubleshoot production issues and implement effective solutions.
- Setup and configure Moodle .
- Automated routine operational tasks and system provisioning, improving overall efficiency and reducing manual errors.

DevOps Engineer

Waviz Technologies (P) Limited

[Jul' 22 – Aug' 23] Noida, IN

- **Created and implemented** YAML-based CI/CD pipelines for seamless application building and deployment on **AWS**.
- **Proficiently** utilized **Git, GitHub, Bit-Bucket** as the primary Source Code Management (Version Control System) tool.
- Demonstrated strong expertise in **Amazon Web Services (AWS)**, actively managing, improving, and monitoring cloud infrastructure.
- Proficiently managed a spectrum of AWS cloud services, including **IAM, VPC, EKS, EC2, Route53, Load Balancer, ASG, CloudWatch, S3, EBS, EFS**, and more, ensuring optimal performance and resource utilization.
- Designed and implemented robust CI/CD pipelines using **Jenkins, Bit-Bucket, GitHub, Azure and AWS**.
- Demonstrated hands-on expertise in designing and managing **Highly Available Kubernetes Clusters** using the **Hard-Way method** across diverse environments.
- Setup and Configure **ELK Stack – Elasticsearch, Kibana And Beats**
- Performed end-to-end responsibilities encompassing the installation, configuration, and troubleshooting of application servers, notably **Apache Tomcat, and web servers, including Apache HTTPD and Nginx**.
- Proven proficiency in **fine-tuning Linux systems** and components to optimize performance during periods of heightened demand or performance issues.
- Application components deployment in **Production**, Quality Assurance and Test Environments.
- Proficient in Managing and optimizing storage solutions through expert utilization of **LVM (Logical Volume Manager)** and RAID technologies, ensuring enhanced performance, fault tolerance, and efficient utilization of resources.
- Orchestrated containerized applications using Docker and managed container orchestration with Kubernetes, achieving seamless scalability and high availability
- Maintained infrastructure as code (IaC) using tools such as CloudFormation, resulting in a 30% reduction in deployment time
- Planning and execution of Linux OS Kernel patching.

EDUCATION

Master of Computer Applications, MCA (8.3 CGPA)

Nehru Gram Bharati University [Jul '2020 - May '2022] Prayagraj, Uttar Pradesh

Address

- Deoria, Uttar Pradesh

Awards / Leadership

- Rock Star Award – January 2023