

Resume Summary:

Seeking a Challenging Position in a cloud environment within a large exiting company where my extensive professional and practical experience will be fully utilized for infrastructure/DevOps Professional. Experience 5+ years.

Work Experience:

The Algorithm -	Feb 2025 - Present
<ul style="list-style-type: none"><li>CI/CD Pipeline Implementation and Automation<ul style="list-style-type: none"><li>Designed, built, and maintained robust <b>CI/CD pipelines using Jenkins</b>, enabling automated build, test, and deployment workflows.</li><li>Integrated <b>SonarQube</b> with Jenkins for continuous code quality checks, enabling quality gates and enforcing static code analysis in the pipeline.</li><li>Automated deployment processes for multiple environments (dev/staging/production), minimizing manual intervention and human error.</li></ul></li><li>Monitoring, Observability, and Alerting<ul style="list-style-type: none"><li>Deployed and configured <b>Prometheus</b> for metrics collection and <b>Grafana</b> for data visualization and performance dashboards.</li><li>Created custom Grafana dashboards to monitor server health, application performance, and container metrics.</li><li>Configured alerts and notifications to proactively identify issues and reduce downtime.</li></ul></li><li>Cloud Infrastructure Management<ul style="list-style-type: none"><li>Managed cloud infrastructure on AWS (EC2, IAM, S3, Route 53) and DigitalOcean (Droplets, Volumes, Snapshots).</li><li>Provisioned and configured virtual machines, load balancers, and domain settings for high-availability environments.</li><li>Executed cloud migration tasks (e.g., DigitalOcean to AWS) with zero/minimal downtime and proper DNS/SSL handling.</li><li>Also explored and gained working knowledge of Google Cloud Platform (GCP) and Microsoft Azure for infrastructure provisioning and cloud services evaluation.</li></ul></li><li>Security and SSL Certificate Management<ul style="list-style-type: none"><li>Hardened server security by configuring HTTPS, secure headers, TLS protocols, and firewall rules.</li><li>Installed, configured, and renewed SSL/TLS certificates (Let's Encrypt, custom CA) across various web servers and applications.</li><li>Ensured compliance with SSL best practices and regular renewal cycles.</li></ul></li><li>Server and Environment Management<ul style="list-style-type: none"><li>Managed Linux-based servers (Ubuntu, CentOS) hosting internal tools, applications, and monitoring agents.</li><li>Created and maintained client-specific environments, ensuring consistent configurations across development, testing, and production stages.</li><li>Handled server provisioning, updates, backups, and disaster recovery planning.</li></ul></li><li>DevOps Automation &amp; Collaboration<ul style="list-style-type: none"><li>Collaborated with development, QA, and operations teams to implement DevOps practices across the SDLC.</li><li>Automated manual tasks using shell scripting and integrated them with Jenkins or cron for scheduled execution.</li><li>Maintained version control and deployment workflows using Git and CI hooks.</li></ul></li></ul>	

AIQoD.com (DevOps Engineer)

Jan 2023 – Nov 2024

- Working as a DevOps Engineer with 2 years of experience, providing services to Companies. Hands-on experience in all phases of the Software Development Life Cycle, including Design of Architecture, Development, Deployment, Testing, and Support, using DevOps tools and practices.

Company Experience:

Roots Innovation Labs pvt.ltd	June 2020 – Jan 2023
<ul style="list-style-type: none"><li>Experience with infrastructure as code tools such as Terraform, AWS Worked with infrastructure and development teams to ensure that production environments to meet an excepted SLA.</li><li>Hands on experience with containerization using tools such as Docker, AWS ECS and Kubernetes.</li><li>Implement and manage continuous delivery system and methodologies on AWS. Develop and maintain scalable, reliable, and secure cloud infrastructure primarily using AWS and OVH cloud.</li></ul>	

- Implemented Nagios for comprehensive monitoring of systems and applications, ensuring proactive issue detection and resolution.
- Proficient in both MongoDB and MySQL, creating and managing user accounts with specific permissions to maintain data integrity and security.
- Developed and implemented shell scripts to automate various system and application tasks, optimizing operational efficiency and reducing manual interventions.
- Utilized SonarQube to enforce coding standards and deliver high quality code, facilitating continuous improvement.
- Utilize version control tools like Git to manage infrastructure as code and ensure that changes are tracked and versioned.
- Led the transition of on-premises environments to the cloud, ensuring minimal disruption to services and optimizing resource allocation for improved scalability and cost-efficiency.

**Technical Skills:**

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- **Version Control System tools:** GIT, GitLab, GitHub
- **Scripting:** Shell Scripting, Groovy
- **Container Orchestration Tools:** Kubernetes
- **Database:** MySQL, MongoDB
- **Cloud Services:** AWS (EC2, VPC, S3, EBS, EFS, ELB, Autoscaling, IAM, CloudWatch, DynamoDB, RDS, Route 53), GCP, Azure.
- **Continuous Integration Tools:** Jenkins
- **Containerization tool:** Docker
- **Artifactory Storage:** ECR, Nexus
- **IAC Tool:** Terraform
- **Monitoring Tool:** CloudWatch, Nagios
- **Config management Tool:** Ansible
- **Code Quality:** SonarQube
- **Web Hosting:** Nginx
- **Operating Systems:** Linux, RHEL, CentOS, Ubuntu
- **Other Skills:** Node.js, Python, Anaconda, Analytical Ability

**Projects:**

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- **ACCESS-INFINITY:**
- Managed application containerization, leveraging Docker for efficient deployment, scaling, and isolation of applications, ensuring consistent performance and simplifying the deployment pipeline.
- Implemented Kubernetes for container orchestration, automating the deployment, scaling, and management of containerized applications, ensuring efficient resource utilization and high system reliability.
- Configured and optimized load balancing solutions to distribute traffic efficiently across multiple servers, ensuring high availability, fault tolerance, and reduced downtime.

- Utilized Terraform to create and manage AWS infrastructure including EC2 instance, S3 buckets and VPC. Monitored infrastructure health and set up alerts using CloudWatch for proactive issue resolution.
- Configured Terraform Providers to connect to AWS APIs and provision resource. Organized Terraform code into reusable Modules for better maintainability and re-usability.
- Implemented and managed MongoDB databases, guaranteeing data integrity, implementing backup strategies, and optimizing queries resulting in a 40% improvement in application performance.
- Maintained secure RDP connections for remote access, ensuring smooth remote work and server management while adhering to stringent security standards.
- Provisioned CICD Pipelines by integrating GIT, GITHUB, MAVEN, JENKINS, and ANSIBLE, streamlining development and deployment processes.

● **ROCHE INTERNATIONAL:**

- Implemented EC2 instances, AMI, EBS, EFS, and Security Groups using AWS CLI and AWS Console for seamless infrastructure provisioning.
- Managed production operations including code deployments, upgrades, and system patches to ensure system stability and performance.
- Played a key role in designing Linux server environments for developers and testers, and documented procedures for IT support, enhancing team productivity.
- Configured NGINX as a reverse proxy server to improve application scalability, enhance load balancing, and optimize server performance for efficient handling of web traffic.
- Monitored infrastructure health and set up alerts using CloudWatch for proactive issue resolution.
- Containerized code using Docker file to streamline deployment and enhance portability.
- Developed and maintained automation scripts using Ansible to facilitate smooth application deployment and configuration management.
- Troubleshoot issues, determined root causes, and implemented effective solutions.
- Ensured optimal performance and seamless deployment of updates for Node.js and Python-based applications using Jenkins, resulting in a 30% enhancement in application stability.
- Configured and supervised firewall settings to safeguard systems from unauthorized access and security breaches, resulting in compliance with security protocols and controlled traffic flow.
- Conducted routine back-ups and infrastructure patching activities to maintain system reliability and security.

**Educational Qualification:** *BTech (Bachelor of Technology)*

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● <b>BTech in Civil Engineering (DBATU, Lonere)</b> Bajaj Institute of Technology, Wardha	<b>8.27 CGPA</b>
● <b>12th Board (H.S.C.)   Science</b> Saraswati Vidya Mandir, Wardha	<b>61.23%</b>
● <b>10th Board (S.S.C.)</b> Rashtrasant Tukdoji Maharaj Vidyalaya, Wardha	<b>70.00%</b>

**Achievements:**

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- **5 Stars** on DevOps Program conducted in YGMinds Institute.
- **Attained First Place** in AWS QA session Training program by Mithun Technology Academia.

**Hobbies:**

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- Reading Books
- Playing Outdoor Games
- Listening Music
- Swimming

**Languages:**

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- English
- Hindi
- Marathi

**Certifications:**

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- AWS Certified Cloud Quest Practitioner, (Amazon Web Services) [\[Link\]](#)
- MongoDB CRUD Operations [\[Link\]](#)
- Communication Management (Great Learning) [\[Link\]](#)

**Declaration:**

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I hereby declare that the information furnished by me in the above document is correct and accurate to the best of my knowledge.

**Place: Wardha**  
**Date:**

**Signature:**  
**ADESH MAHURE**