Umesh Khatiwada (3.5 + experience)

DevOps Engineer

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Professional Summary

Experienced DevOps engineer with 3.5+ years of expertise in implementing and maintaining CI/CD pipelines, cloud infrastructure, and automation solutions. Proficient in AWS, Docker, Kubernetes, and various scripting languages. Strong problem-solving skills and a passion for optimizing development and deployment processes.

Skills

- **Cloud Platforms**: AWS, Google Cloud Platform,Azure Cloud & Linode.
- **Containerization**: Docker, Kubernetes.
- **CI/CD**: Jenkins, GitLab CI & GitHub Actions, ArgoCD, Tekton pipline.
- **Infrastructure as Code**: Terraform, CloudFormation, Terragrunt.
- **Configuration Management**: Ansible, Puppet.
- **Scripting**: Python, Bash, PowerShell.
- **Monitoring**: Prometheus, Grafana, ELK Stack,Cloud Watch.
- **Version Control**: Git.
- **Programming Language**: Java, Javascript, GO, Python, Dart,Typescript & PHP.
- **Framework**: LoopBack4, Strapi, Gin, Express, Django, Wordpress, FastAPI, Flutter, SpringBoot & Nodejs.
- **Payment Gateway Implementation/Integration:** Nepal Pay, Stripe, Paypal & Esewa.
- **Database**: Mysql, postgres, Redis, sqlite & Mongodb.

Application & Technologies used

- **Vcluster**: Use this platform to create a virtual cluster.
- **Cortex**: Use for multi-tenant prometheus Metrix & Alert management & also use for metric storage in S3 or Bob storage.
- **Keycloak:** Directory as a Service (use for sso login ,user management, IDP management)
- **Dapr**: Middleware to handle the any Platform (Message queue, Vault Management)
- **RabbitMQ**: Message broker.
- **Helm Chart**: Custom Helm chart.

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Professional Experience

DevOps Engineer | BerryBytes pvt Ltd | Jun 2023 - Present
- Led the migration of on-premises infrastructure to AWS, reducing operational costs by 30%
- Implemented Kubernetes for container orchestration, improving application deployment time by 50%
- Designed and maintained CI/CD pipelines using Jenkins, increasing release frequency from monthly to weekly
- Automated infrastructure provisioning with Terraform, reducing setup time for new environments by 70%

DevOps Engineer | RPA Nepal (remote) | Jan 2023 - Jun 2023
- Implemented Docker for application containerization, improving consistency across development and production environments

DevOps Engineer | Intopros Technology (remote) | Feb 2022 - jan 2023
- Implemented Docker for application containerization, improving consistency across development and production environments

DevOps/Software Engineer | Supreme IT Solutions Pvt. Ltd | Feb 2022 - Jun 2023
- Implemented Docker for application containerization, improving consistency across development and production environments
- Collaborated with development teams to optimize code deployment processes and implement best practices
- Led Backend Developer.
- Work as a Backend Developer in a Salesberry Ecommerce Site.

Software Developer| Aavaa Technologies Pvt Ltd | Apr 2021 - Jul 2021
- Work as a Frontend Developer.
- Use like Technologies ,reactjs, Nextjs, Css, Html.
- Use databases like postgres, Mysql & Mongodb.
- Done project in MernStack.

Education

Bachelor of Science in Computer Science
Tribhuwan University | Graduated: May 2021

Certifications

- AWS Certified DevOps Engineer - Professional
- Certified Kubernetes Administrator (CKA)
- Docker Certified Associate

Projects

- **Microservices Migration**: Led a team in refactoring a monolithic application into microservices, improving scalability and reducing deployment times.
- **Automated Disaster Recovery**: Developed a fully automated DR solution using AWS services, ensuring business continuity with minimal downtime.
- **Work on Ecommerce site** called salesberry ecommerce.
- **ClusterManger**: Create a virtual cluster(Backend Developer).