UJWAL BUDHA

Jr. Cloud/DevOps Engineer

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SUMMARY

Dedicated and result-oriented DevOps Engineer with a year of experience in building, automating and optimizing cloud infrastructure and CI/CD workflows by aligning with AWS's Well-Architected Framework Pillars. Continuously seeking opportunities and contributing to innovative projects while ensuring system efficiency and reliability.

EXPERIENCE

Jr. DevOps/Cloud Engineer

Adex International

📅 07/2024 - Present   📍 Lalitpur

- Migrated an on-premises system to AWS, ensuring a seamless transition and minimal disruption.
- Collaborated closely with clients to understand their needs and deliver the expected outcomes.
- Deployed and managed production websites, ensuring high availability and performance.
- Automated the provisioning of cloud infrastructure using AWS services to improve efficiency and scalability.
- Monitored cloud resources to optimize cost, reliability, and performance.
- Implemented CI/CD pipelines for streamlined deployment and version control.
- Conducted research, analysis, and documentation for AWS Service Delivery Program compliance, establishing best practices and configurations.

DevOps/Cloud Intern

Adex International

📅 04/2024 - 07/2024   📍 Lalitpur

- Acquired practical experience in cloud computing using AWS.
- Worked alongside the development team to configure and maintain cloud environments.
- Troubleshooting and resolving technical issues to ensure seamless application operation.
- Delivered solutions on schedule and within budget, maintaining high development standards.
- Test websites on IIS and Nginx were deployed for web hosting.
- Built and deployed Docker containers to streamline application deployment.
- Managed source code and version control using Git workflows.
- Set up Nginx to reverse proxy and balance the load.
- Optimized both Linux and Windows servers for enhanced scalability and performance.

PROJECTS

Migration to AWS

- Migrated a client's application from on-premises to AWS
- Automated infrastructure provisioning using Terraform with GitLab CI/CD
- Used AWS ECS Fargate and serverless services to reduce operational overhead
- Developed an end-to-end provisioning workflow from setup to deployment

Scalable AWS Chatbot Application

- Designed and deployed a scalable chatbot on AWS.
- Automated infrastructure provisioning with Terraform and GitHub Actions.
- Used ECS Fargate & Lambda for high availability and auto-scaling.
- Integrated AI-driven chatbot intelligence with Amazon Bedrock, Personalize, and Pinpoint.
- Ensured security, cost optimization, and disaster recovery with AWS WAF, Backup & CloudWatch.

Scalable Business Intelligence Dashboard

- Deployed Metabase on ECS Fargate for a scalable, serverless solution.
- Automated infrastructure with Terraform for consistent and efficient deployment.
- Used ECS Fargate for auto-scaling and high availability of the dashboard.
- Integrated AWS RDS and S3 for secure database and data storage management.
- Ensured security and disaster recovery with AWS IAM, Secrets Manager, and Backup.

Gen AI Marketing Application Deployment

- Launched LuxoraDesign's Gen AI marketing app on AWS to ensure scalability.
- Used Terraform with GitHub Actions for automated deployments.
- Implemented ECS Fargate & Lambda for containerized and serverless workloads.
- Integrated AI-driven content creation via Amazon Bedrock, Personalize, and Pinpoint.
- Enforced security best practices and disaster recovery with AWS Backup & WAF.

EDUCATION

BSC CSIT

Texas international College

📅 2022 - 2025 📍 Kathmandu, Nepal

CERTIFICATION

AWS Certified Solutions Architect

Certificate Link

AWS Certified Machine Learning Engineer

Certificate Link

SKILLS

Technical Skills

| Terraform | Ansible | AWS | Azure | Linode | GitHub | Git | GitHub Actions | GitLab | DynamoDB |

| MySQL | PostgreSQL | Python | Bash | OpenSearch | Grafana | Prometheus | Docker | Kubernetes |

Soft Skills

| Research | Analysis | Documentation | Critical Thinking | Problem Solving | Communication |

| Collaboration |

LANGUAGES

English
Proficient ●●●●○

Nepali
Native ●●●●●

Hindi
Advanced ●●●○○