

Dibya Darshan Khanal

Cloud & Infrastructure Engineer | DevOps | SRE

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#) | [Blog](#) | [Google Scholar](#)

EDUCATION

University of Cincinnati Masters in computer and information sciences	Cincinnati, OH 2025-present
Tribhuvan University Bachelors of Computer science and information technology	Kathmandu, Nepal 2017-2021

SKILLS SUMMARY

• Cloud Infrastructure:	AWS, Azure, Git, Atlassian
• Automation:	Jenkins, CloudFormation, Terraform, Ansible, CodePipeline, GitHub, GitLab
• Servers:	Web, File, Database, Mail, SSH, Virtualization
• Containerization:	ECS, EKS, ECR, Docker, Kubernetes, Nexus
• Logging and Monitoring:	Datadog, CloudWatch, CloudTrail, Splunk, Site24x7, ELK, Nagios, Apache Superset
• Languages and Scripting:	Python, Shell, JavaScript, Groovy, C, C++, C#
• AI & ML Tools:	OpenAI, LangChain, TensorFlow, scikit-learn, AWS SageMaker, Apache Doris

WORK EXPERIENCE

Site Reliability Engineer UBA Solutions Pvt Ltd.	December 2022–January 2025
<ul style="list-style-type: none">Built and optimized observability stack (Datadog, ELK, Grafana, Splunk), improving alert accuracy by 40% and reducing MTTR by 25%.Architected AWS multi-region failover infrastructure, enabling zero-downtime deployments and boosting rollout reliability.Maintained 99.95% uptime for a SaaS platform serving 100K+ users/hour via proactive scaling and automated recovery.Received the ‘2023 Above and Beyond Award’ for exceptional contribution and performance.	
Software Engineer & Associate Cloud and DevOps Cloudlaya	April 2020–December 2022
<ul style="list-style-type: none">Managed 100+ websites using WHM and cPanel, ensuring uptime and rapid issue resolution.Automated deployments for 50+ client sites with Jenkins & CodePipeline, cutting manual effort by 60% and reducing deployment time by 88%.Migrated 20+ services to ECS Fargate using Terraform & CloudFormation, lowering hosting costs by 30% and boosting reliability.Refactored and modernized legacy applications (SpringBoot 1.5.x, PHP, Node.js) and contributed to new feature development using Django and Vue.js, improving maintainability and reducing security risks by 40%.	

PERSONAL PROJECTS

• Java Spring Boot CI/CD Pipeline with AWS EKS: A complete CI/CD solution for deploying Java Spring Boot applications to AWS EKS using Jenkins, SonarQube, Docker, Terraform, and Kubernetes. GitHub
• Developed ETL pipeline to load soccer data into Apache Doris along with Apache Superset. GitHub
• ARPF-TI: A modern AI-powered reverse proxy firewall combining rule-based filtering with Gemini and TinyLlama threat detection, real-time monitoring, and multi-source threat intelligence for comprehensive web security. GitHub
• Datadog Synthetic Monitor Validator: Automated health check validation and alerting with Datadog API to reduce false positives and enhance reliability. GitHub
• Security Scanning with AWS Inspector: Created Python automation for EC2/ECR vulnerability scanning integrated with CI/CD pipelines using AWS Inspector V2. GitHub

CERTIFICATIONS AND COMMUNITY

- AWS Solutions Architect Associate | [Certificate](#)
- Docker & Kubernetes: The Practical Guide | [Certificate](#)
- AWS Community Builder | [Directory](#)