

DEEPAK KUMAR

Results-driven DevOps Engineer with 3+ years of experience in automating workflows, optimizing cloud infrastructure, and enhancing CI/CD pipelines. Expertise in AWS, Azure, Docker, Kubernetes, Terraform, and GitHub Actions. Skilled in scripting with Python and Bash, ensuring efficient deployment and scalability.

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WORK EXPERIENCE

Impressico Business Solution

DevOps Engineer | Project: Panasonic Digital Signedge , Sunlitlive ,NGL

Oct 2022 – May 2025

- Designed, deployed, and managed over 86 AWS child environments, optimizing Jenkins pipelines for seamless on-premises and cloud deployments.
- Automated CI/CD pipelines utilizing GitHub Actions (OIDC) and CloudFormation sync, and implemented AWS Lambda for scheduled instance management, significantly improving deployment efficiency.
- Deployed and configured Linux and Windows Virtual Machines on AWS and on-premises, automating digital signage installation using PowerShell and Linux scripts for streamlined hosting.
- Managed Dockerized backend deployments on EC2 and Kubernetes clusters on AWS EKS, optimizing scalability and resource allocation for high-performance applications.
- Configured AWS Route 53, Application Load Balancers (ALB), and Relational Database Service (RDS), ensuring seamless domain management, efficient load balancing, and secure database integration.
- Deployed Azure App Services, Static Web Apps, and AI tools with secure MySQL over VPN, integrating Application Insights for real-time monitoring and performance insights.
- Implemented Infrastructure as Code (IaC) using Terraform, AWS CloudFormation, and ARM templates, ensuring consistent, automated, and scalable cloud infrastructure across AWS and Azure.
- Enhanced AWS CloudWatch monitoring and implemented Grafana for comprehensive visualization, optimizing Jenkins CI/CD workflows for faster deployments and reduced downtime.

Pepcoding Education PVT LTD

Intern (Full-Stack Developer)

Jan 2022– July 2022

- Troubleshoot backend issues, resolving performance bottlenecks, analyzing logs, debugging, and optimizing workflows for seamless application performance and stability.

TECHNICAL SKILLS

- Cloud Platforms: AWS (EC2, Auto Scaling, VPC, IAM, Load Balancers, ECS, Lambda, S3, RDS, ElastiCache, CloudWatch, CloudFormation, API Gateway), Azure (App Service, MySQL Database, VPN, Blob Storage, OpenAI, Application Insights)
- Infrastructure as Code (IaC) & CI/CD Automation: Terraform, AWS CloudFormation, Jenkins, GitHub Actions, Azure DevOps, ARM Templates, Bash Scripting
- Containerization & Orchestration: Docker, Kubernetes (K8s), AWS EKS, Helm
- Monitoring & Logging: Grafana, AWS CloudWatch, Azure Monitor, Prometheus, CloudTrail
- Scripting & Development: Python, Bash, Java, C, HTML/CSS, JavaScript, SQL
- Developer Tools & Technologies: VS Code, Eclipse, STS-4, Linux, Windows, Apache, Nginx
- Networking & Security: AWS Route 53, Application Load Balancers (ALB), Relational Database Service (RDS), VPN

EDUCATION

Gautam Buddha University Gr.Noida

Bachelor of Technology in Information Technology - 8.1 GPA

2018 - 2022

Certification : Full Stack Java Developer | Introduction to JAVA & DataStructures (CodingNinja).

PROJECT

Kubernetes Kind Spring Boot App with Monitoring (Internal Project)

July 2023 - Apr 2025

- Designed a three-tier architecture (Frontend, Backend, Database) and deployed it on a Kind cluster.
- Implemented ArgoCD for automated CI/CD and established monitoring using Prometheus and Grafana.
- Managed Kubernetes workloads with Helm, Kubernetes Dashboard, and Kube Prometheus Stack for enhanced observability and scalability.
- Tech Stack: Kind, Docker, Kubernetes, Helm, ArgoCD, Prometheus, Grafana, Kubernetes Dashboard, Kube Prometheus Stack, YAML, Bash, Linux, Kubernetes Manifests.