

Deepak

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github.com/CodeByDeepak

Technical Skills

Languages: Python, Bash
Containerization: Docker, Kubernetes
IaaS Tool: Terraform, Ansible
CI/CD Tools: BitBucket, Azure DevOps, Jenkins, GitLab
Cloud Technology: AWS, Azure
Version Control: Git/Github
Operating System: Linux, Windows

Education

Sagar Institute Of Research Technology and Science (RGPV) <i>Bachelor of Technology in Computer Science - CGPA - 7.57</i>	June 2023 Bhopal, Madhya Pradesh
J.P +2 High School (BSEB) <i>12th in Science - Percentage - 67</i>	April 2019 Muzaffarpur, Bihar

Experience

iTechnolabs Pvt Ltd <i>Associate DevOps Engineer</i>	Oct 2024 - Present Mohali, India
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- Deployed MERN, Python, and PHP applications on development, staging, and production servers using Nginx and Apache.
- Implemented CI/CD pipelines with Jenkins for dev environments and AWS CodeBuild/CodePipeline for production.
- Set up MySQL, RDS, and MongoDB databases, and implemented Redis (open-source AWS), configuring AWS VPC for secure deployments.
- Dockerized applications and set up CI/CD pipelines for automated deployment on AWS EKS using Kubernetes.
- Managed multiple client domains on GoDaddy and Cloudflare, created DNS records, and configured AWS certificates and Let's Encrypt for secure connections.
- Configured auto-scaling for EC2 based on CPU usage and implemented modern deployment strategies for scalability.
- Created Python and Bash scripts for automated backups and other infrastructure automation tasks.
- Collaborated with developers to troubleshoot application issues and improve deployment processes.
- Deployed a MERN stack application with separate frontend, backend, and admin services on Azure Kubernetes Service (AKS) using Docker containers and Implemented CI/CD pipelines via Azure DevOps for automated build, test, and deployment of all services.

Envsoft solutions LLP <i>DevOps Intern</i>	March 2024 - August 2024 Mohali, India
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- Deployed a payment gateway using ECS Fargate for an application built with Java for the backend and Next.js for the frontend, and set up a CI/CD pipeline in Bitbucket for streamlined deployments.
- Designed and implemented comprehensive infrastructure on AWS using Terraform, including ECR, ECS clusters, task definitions, VPC configurations, Route 53 records, CloudWatch log groups, load balancers, and DynamoDB tables.
- Created and managed a pipeline to Dockerize applications and deploy them to Alibaba Cloud.
- Utilized AWS CodeBuild and CodePipeline to automate the deployment of Lambda functions.
- Set up and configured the ELK Stack (Elasticsearch, Logstash, Kibana) for centralized logging, monitoring, and analysis of application logs.
- Managed SSL/TLS certificates using AWS Certificate Manager and Let's Encrypt to secure web applications and services.
- Leveraged CloudWatch Logs for effective monitoring and troubleshooting.
- Deployed applications on AWS Amplify for rapid, scalable hosting of frontend frameworks and static websites.

Certifications

- **AZ-900 Microsoft Azure Fundamentals** by Ranga Karanam on Udemy
- **Digital Transformation with Google Cloud** by Google