

Contact

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Top Skills

Pulumi
MLOps
N8N

Languages

Hindi
English

Certifications

Istio - ServiceMesh
GitHub Administration

Honors-Awards

Outstanding and extraordinary
Efforts in One97 Communications
Pvt Ltd
Certificate of Recognition
Excellence Award
BTech College Topper

Bharat Puri

Cloud Architect | DevOps | LLM RAG QLoRA | Agentic AI | MLOps
New Delhi, Delhi, India

Summary

As a Senior DevOps Engineer with 14 years of experience, I specialize in cloud security, infrastructure management, and CI/CD pipeline deployments. My expertise lies in building scalable, secure, and automated infrastructures across AWS and Azure using tools like Terraform, Packer, and Ansible to implement Infrastructure as Code (IaC) best practices.

I am passionate about exploring emerging tools and practices that push the boundaries of DevOps, including:

1. Pulumi with TypeScript and Python for modern IaC development
2. N8N Agentic AI workflows to automate DevOps tasks and enhance productivity
3. ML workflows in CI/CD pipelines using GitHub Actions for smarter and data-driven delivery pipelines

My focus is on bridging cloud, automation, and AI-driven DevOps practices to deliver resilient systems, reduce operational overhead, and accelerate innovation.

Experience

Pfizer

Cloud Architect | Devops

May 2022 - Present (3 years 7 months)

- Conducted comprehensive project assessments, defining application requirements and security scopes for CI/CD pipeline deployments.
- Collaborated with the DevOps team to design and implement robust solutions, including EKS and AKS infrastructure management.
- Developed infrastructure as code using Terraform, Packer, and Ansible, enhancing deployment efficiency and consistency.

Amazon Web Services (AWS)

1 year 5 months

Sr Cloud Architect | Devops

January 2022 - April 2022 (4 months)

DevOps Architect at ProServ Team

December 2020 - April 2022 (1 year 5 months)

Bengaluru, Karnataka, India

Worked as DevOps consultant with ProServe team.

1. Handled migrations and solution architecting.
2. Leading DevOps teams.
3. Writing best practices documents for AWS Solutions.
4. Mentoring teams with kubernetes best practices.

Bounce

DevOps Lead

December 2019 - June 2020 (7 months)

Bengaluru, Karnataka, India

Dunzo

Head of DevOps

January 2019 - December 2019 (1 year)

Bangalore

Dunzo is an Indian company that provides delivery services in Bengaluru, Delhi, Gurgaon, Pune, Chennai, Mumbai and Hyderabad. The company also operates a Bike Taxi service in Gurgaon

Role and Responsibilities:

1. Build DevOps culture and team of DevOps engineers.
2. Scale infrastructure to handle 10x traffic.
3. Setup Central Logging for whole infrastructure using ELK.
4. Setup monitoring for whole infrastructure using NewRelic.
5. Setup alerting and notification system for L1 and L2 supports using Opsgenie.
6. Convert system native application to Docker containers.
7. Setup Docker orchestration environment using Fargate and ECS.
8. Build Jenkins CI/CD pipelines for Docker and Non-Docker applications using declarative programming.
9. Setup Blue/Green deployments using terraform, Packer and Ansible
10. Automate infrastructure using Configuration management tool - Ansible.

11. Automate NewRelic alertings and escalation policies using terraform and OpsGenie, NewRelic
12. Build event drive pipelines using RabbitMQ and SQS.
13. Optimize AWS Costing

Crossover for Work

SaaSops Architect | Consultant

September 2015 - October 2018 (3 years 2 months)

Worked as SaaSops Architect in Aurea in Lift and Shift Team.

Role and Responsibilities:

1. Project assessment, which involves scope of projects and taking ownership of projects.
2. Gathering product knowledge from legacy team for migration from one environment to another.
3. Distribute and assign work between team members and help them to troubleshoot migration issues.
4. Migration of IT Services like Domain controllers, IIS, Sharepoint.
5. Setup networking and site to site VPN between legacy customer services.
6. Scheduling daily sync up with Product teams for progress update.
7. Migrate applications from one environment to another.
 - a. VCenter to AWS
 - b. HyperV to AWS
 - c. AWS to VmWare Cloud
 - d. OpenStack to VmWare Cloud
8. Work on tools like DoubleTake, vconverter, start2wind, Gravity etc.
9. Writing standardized cutover runbooks for customer project delivery.
10. Knowledge transfer sessions to handover the projects.

Flux7 Inc. - Acquired by NTT Data

DevOps Consultant

May 2015 - October 2018 (3 years 6 months)

Flux7 Labs Inc (flux7.com) | NTT Data is a leading AWS Premier Consulting Partner based in Austin, Texas, USA.

Role and Responsibilities:

1. Project assessment, which involves scope of projects, application requirements, security scope, CI and CD pipeline for deployments, monitoring solutions etc.
2. Sprint planning, to define the milestones delivery as per agile methodology.

3. Work with DevOps Team to build and design solutions.
4. Writing code for solution building, terraform, packer, jenkins DSL groovy, template for application buildup, ansible roles etc.
5. Solutions to migrate existing application between infrastructures, from one cloud to another.
6. Tools like DoubleTake, vconverter, start2wind convertors etc.
7. Writing runbooks for customer project delivery.
8. Doing sessions with customers for Knowledge transfer.

Adobe

Cloud Engineer / DevOps

August 2014 - October 2015 (1 year 3 months)

Noida

Responsibilities as DevOps Engineer:

1. Design solutions to build cloud architectures for new products of Adobe.
2. Writing chef scripts to automate cloud solutions.
3. Network design using cloud formation templates.
4. Handle on-calls for existing projects.
5. Handle monitoring using Zabbix, Splunk, pingdom, data dog and NewRelic.

One97 Communications Limited

Devops / DBA

April 2013 - February 2014 (11 months)

Noida Area, India

Responsibilities on AWS :-

1. Managing the infrastructure of applications and Database on Cloud
2. Suggesting the best possible services of cloud as per requirement.
3. VPC environment setup and managing Jump hosts.
4. Auto-scaling of EC2 Instances using CLI.
5. Evaluating performance of EC2 instances their CPU, Memory Usage, IOPS, Network Usages and suggest appropriate instance type for the same.
6. Integrating Nagios with Cloud metrics for monitoring.
7. Managing Security groups, Routing Policies and ELB's.
8. Writing scripts using AWS CLI and AWS SDK using PHP / Python to automate the tasks.
9. EBS Volumes management and snapshots for backups using scripts
10. Managing multiple services in AWS like IAM, SQS, SES, SNS, S3, Glacier, Route53, RDS etc

Responsibilities on MySQL

1. Migration of MySQL DB to MariaDB.
2. Performance Tuning of MySQL 5.5 and 5.6
3. Scripts using AWS CLI to automate MySQL snapshots.
4. Setup and hardening of MySQL Servers on AWS instances and Local Premises.
5. M-M and M-S replications setup.
6. Galera and Tungsten replications setup.
7. MySQL Cluster Setup and troubleshooting.

Eclat Infotech Pvt. Ltd

System Engineer

July 2011 - April 2013 (1 year 10 months)

Chandigarh Area, India

1. To look after the configuration and of the Servers like DNA , NFS , Q-Mail , LDAP , managing iptables and portforwarding
2. Developing bash Scripts for automation of the tasks in linux

Education

Indian Institute of Technology, Delhi

Master of Technology - MTech, Computer Science · (June 2021 - August 2024)

Kurukshetra University

Bachelor's degree, Information Technology · (June 2007 - August 2011)