Bhavuk Bhardwaj

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Sr. AWS DevOps / Infrastructure Engineer

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SKILLS / TECHNOLOGY STACK

- **Source Code Management** - Github, Bitbucket, AWS CodeCommit, Unfuddle

- **CI/CD Tools:** CircleCI, Bitbucket, AWS CodeCommit, AWS CodeBuild, AWS CodePipeline, AWS CodeDeploy, Atlantis(for Terraform)

- **Deployment** - Lambda, S3, EC2, ECS

- **Testing**: Postman, J-Meter

- **Monitoring, Logging & Observability** : AWS Opensearch, Sumologic, Datadog, Grafana Cloudwatch, Loggly, Cloudtrail

- **Alerting** - Pagerduty, AWS SNS

- **Security** : AWS Organizations, AWS Service Control Policy, AWS Verified Access, GuardDuty, SecurityHub, Inspector, SSO, IAM, Amazon Certificate Manager, Tfsec, Talisman, Vanta

- **Compliance -** ISO-27001, SOC-2, HIPAA, GDPR

- **Infrastructure as a Code** - Cloud Formation Template and Terraform

- **Storage** & **Database**: S3, Dynamodb, AWS Opensearch Search , RDS Aurora [Mysql Compatible], ElasticCache

- **Networking & CDN**: VPC, CloudFront, Route 53, Application Load Balancer

- **Collaboration and Planning -** Jira, Confluence, Miro Board, Slack, MS Teams

EXPERIENCE

Heyjobs GmbH, Germany - *Infrastructure Engineer*

JAN 2023 - PRESENT

- Research and explore the latest trends in AWS Cloud & DevOps and implement them.
- Infrastructure Management using Terraform
- Improving the SRE (Monitoring) and FinOps (Cloud Billing) verticals.
- Improve Security Standards, Securing Compliance and Certifications(ISO, SOC2) and
- Other General DevOps Practice.

Leadsquared, Bangalore - *Sr. AWS DevOps Engineer*

OCT 2020 - JAN 2023

Along with General DevOps Practices, other major responsibilities included:-

- Helped the organization to become **Unicorn** and solved challenges from the DevOps side.
- Designed multiple Automatic, Self Healing Systems to handle Cloud Operations.
- Setting up New Regions on AWS Cloud for Business expansion (Asia, Europe, US, India)
- Talent Bar Raiser - helped in expanding the Team from 4 to 40+ in Cloud Engineering.
- Helped in creating new verticals under Cloud Umbrella (SRE, FinOps, DBOps, CloudSec)
- Research and explore the latest trends in AWS Cloud & DevOps and implement them.
- Designing the Monitoring Tools by closely working with the SRE Team.
- Developing the Security Tools/Utilities by closely working with the Security Team.

Inube, Bangalore - *R&D Lead (Full Stack)*

JAN 2023 - PRESENT

- Breaking up of Monolithic Architecture and Implementing Micro Service Architecture on AWS [Dotnet Core 3.1, React JS, RDS].
- Setting up AWS for the company from Scratch till the go-live.
- Managing all the Servers for Prod, UAT, Test, Dev.
- Design and Implement CI/CD Pipelines by using AWS DevOps Tools such as Code Pipeline, Code Build, CodeDeploy, etc.
- Code Release Manager for AWS Environment.
- Automating the Infra Setup on AWS using Infrastructure as a Code [IaC]
- Managing the Security at AWS Level and as well as in Application Code Level.
- Ensuring the Security Standards/Compliance at AWS and convincing/interacting with the Client's Info Security Team.
- Create RCA Reports for Clients and Internal Management Team.

AWARDS

- ➔ Spotlight Award - Feb 2022
- ➔ Star of the Quarter - Jan 2022
- ➔ Spotlight Award - Apr 2021
- ➔ Spotlight Award - Feb 2021

EDUCATION

- ➔ **B.I.E.T, VTU, Karnataka (2019)**
  - ◆ Computer Science & Engg.
  - ◆ First Class Division (7.05 SGPA)
- ➔ **D.S.V.N, CBSE, Gurgaon (2015)**
  - ◆ Non-Medical with Computer
  - ◆ 85%

PROJECTS

- Designed & Developed - Launching of Scheduled Based RDS Aurora Replica in order to save the cost of running replica 24/7. *[Python, DynamoDb, Cloudwatch, SNS, RDS, Grafana, Sumologic, CFT, EventBridge, Lambda]*

- Automated the process of AWS Aurora and MySql Slow Query Logs pushed to Sumologic using Lambda *[Python, DynamoDb, CloudWatch, SNS, RDS, Grafana, Sumologic, Cloud Formation Template].*

- Designed & Implemented the system for AWS Elasticache - Redis Slow Logs pushed to Sumologic *[Python, Amazon ElastiCache, SNS, VPC Lambda, Grafana, Sumologic, Cloud Formation Template].*

- Designed & Implemented the system based on Custom Metric Solution in CloudWatch for finding the aggregated CPU Utilization of all the EC2's behind all 3 Types of Load Balancers [Application, Classic and Network] for Spot.io Instances. *[Python, ALB, CLB, NLB, SNS, CloudWatch Custom Metrics, Grafana, Cloud Formation Template]*

- Designed & Implemented the system for Amazon Elasticsearch Service (ESS) Slow Logs pushed to Sumologic. *[Python, Amazon Elasticsearch Service, SNS, CloudWatch, Grafana, Sumologic, Cloud Formation Template]*

- Designed & Developed - Internal Security Tool to generate reports for Vulnerable Security Group List from Multiple Accounts. *[Python, AWS Security Groups, IAM, SNS, S3, AWS Organisations, EC2]*

- Designed & Developed - Internal Security Tool to generate reports for all the Record Sets for a particular Hosted Zone ID in Route 53 *[Python, Route 53, EC2, S3].*

- Designed & Developed - Internal Tool to generate the List of Redis Keys based on defined patterns by using batches in Python. *[Python, Amazon ElastiCache- Redis, EC2]*

- **More Projects - www.notfromiit.com/cv**

Extra Curricular Activities

- First Prize in Short Movie Making
- Presented Paper on "Prediction of EarthQuake" - selected as BEST IDEA of 2018 by TCS
- Participation in Smart India Hackathon
- Campus Ambassador for a campaign launched by Godrej Pvt Ltd.
- "Best Student" Awardee by College for the 2015-19 Batch.
- "Mr. Perfect Student 10/10" Title Awarded by CS&E Dept.
- Won many Fashion Shows at intra, inter and University Level in Karnataka.
- Computer Science Forum Representative
- Winner of College Photography Contests

CERTIFICATION

- Python GOLD Badge - HACKER RANK
- Certified Network Security Speciality - ICSI
- Sumologic Certified - SUMO LOGIC
- Designing Event-Driven Architecture - AWS
- Lambda Foundation - AWS
- Architecturing Serverless Application - AWS
- Technical Essentials - AWS
- AWS Machine Learning Engineer - (UDACITY)
- Linux Essentials - CISCO
- Big Data on AWS - UDEMY
- Docker Challenge - DOCKER
- Microsoft Ignite Challenge - MICROSOFT