

Harpreet Singh Baath

Senior DevOps Engineer

AWS DevOps Professional Certified Engineer with 4 Years Of Experience in Devops and Cloud Native Technologies.

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WORK EXPERIENCE

Senior DevOps Engineer

Xenonstack

08/2018 - Present

Mohali, Punjab

Achievements/Tasks

- Architecting **scalable infrastructure** for wind and Solar Analytics Client on **AWS**, Responsible for designing data ingestion pipeline with a priority for **serverless architecture**.
- Owning Additional Responsibilities of **Leading of Team** of 8 DevOps Engineers.
- Developed **Terraform** Layer structure with reusable Terraform modules for Automating complete AWS Infrastructure and manage multiple environments using Single **IAC** (Infra as a code).
- Optimised AWS infra **reducing Billing cost by 40 Percent**.
- Extensive experience with **AWS** services such as **Lambda**, Kinesis, **S3**, **ECS**, Fargate, **EKS**, Step functions, **Cloudwatch**, IAM, **EC2**, RDS and SNS.
- Setting up **CI/CD** Pipeline using **Jenkins**, including **Sonarqube** and unit testing using Jmeter **Jenkins** for running Terraform modules on the cloud.
- Configuring **logging** and **Monitoring**, including **Cloudwatch** custom metrics for better visibility and Setting **alerting**.
- Good hands-on experience with **Kubernetes** and **CNCF** cloud-native technologies.
- Automation on **Google cloud Platform** for customer onboarding using **Terraform** Scripts creating complete environment including GKE, Cloud SQL, Cloud Storage, DNS, StackDriver Monitoring
- Setting up and Spark on **Kubernetes** integrated with **Jupyter**, **Nuclio** and its adoption with developers to reduce **Databricks** dependency.

DevOps Engineer

Xenonstack

07/2017 - 08/2018

Mohali, Punjab

Achievements/Tasks

- Setup & migrated complete infrastructure from Openstack to **Kubernetes** following **microservices** architecture, delivering applications that can rapidly scale up and down based on the load and deliver a **faster release cycle**.
- Creating **Docker** Images and **Deploying** Applications on Kubernetes using **Helm**.
- Creating AMI's with **Packer** and deploying it with **Terraform**.
- Automated** creation of **Kubernetes** cluster creation using **Ansible** playbooks and Terraform.
- Setting complete **CI/CD** pipeline including **SAST** with **Sonarqube**, Testing, **Helm** packaging and deploying to **Kubernetes** cluster.
- Setting Monitoring and Logging for MicroServices using cloud-native technologies such as **Prometheus**, **Loki**, **ElasticSearch**, and **Fluentd** to have better visibility and alerting for various Teams.

Devops Intern

Xenonstack

07/2016 - 11/2016

Mohali, Punjab

Achievements/Tasks

- Creating **Ansible** Playbooks and **Terraform Scripts**.
- Responsible for containerising **micro-services** using **Docker** for **Kubernetes**.
- Automating installation and configurations of Big data applications such as Hadoop spark using **Ansible**, **Vagrant**.

SKILLS

Kubernetes Terraform AWS Docker

Container Security Jenkins Ansible

CI/CD Cloud Optimisation Sonarqube

Infrastructure as code (IaC) DevSecOps

Container Security Git S3 GitLab CI

Lambda EC2 Packer Helm

Prometheus Grafana ElasticSearch

Serverless Framework ECS EKS

Cloudwatch IAM Kinesis Vagrant

Packer Microsoft Azure

Google Cloud Platform

CERTIFICATES

AWS Certified DevOps Professional
(12/2019 - 12/2022)

Validation Number BGCS1L4CPBFQYQG4

EDUCATION

B.Tech. in Computer Science

Guru Nanak Dev Engineering college

07/2013 - 05/2017

Ludhiana, Punjab

LANGUAGES

English

Full Professional Proficiency

Hindi

Native or Bilingual Proficiency

Punjabi

Native or Bilingual Proficiency