

SHIVAM BANSAL

DevOps Engineer

PERSONAL PROFILE

AWS Certified Developer Associate served as DevOps Engineer for handling Application migration from various VMs to AWS Cloud Global Infrastructure Services.

ACADEMIC HISTORY

PUNJAB TECHNICAL UNIVERSITY - 8.1 CGPA

Bachelor of Technology, 2014-2018

SHIVALIK PUBLIC SCHOOL - 7.5 CGPA

Class 12 - CBSE - 2012-2014

GIAN JYOTI PUBLIC SCHOOL - 8 CGPA

Class 10 - CBSE - 2012

TOOLS/SERVICES

- Jenkins, Terraform, Packer, Puppet.
- Linux shell/Powershell
- AWS CLI
- Python
- Windows Active Directory management
- Git, Jira, Confluence
- Jira, Assyst, SourceTree
- Apache Hadoop, Hive, Pig, Sqoop, Spark, R etc.

CONTACT DETAILS:

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Chandigarh

CAREER HISTORY

DEVOPS ENGINEER

Wipro Ltd. Aug 18 - Jan 20

As a part of **CIS (Cloud Infrastructure Services)** Team of 8 members, supported Aviva's applications hosted on **AWS** Cloud, worked in a mid-size team to manage more than 80 Prod and Non-Prod Applications. We provided 24x7 hours support for all the services, Responsibilities included but not limited to the following:

- Creating Scripts for automating application deployment using **EC2, RDS, Route53** and **many more AWS Resources**.
- Deployment Automation using **PowerShell** scripting, **Windows** and **Unix Shell scripting**.
- Managing **Application Updates** delivery and regular **security updates** on all the servers.
- Hosted **Databases** on **RDS/DynamoDB** and **EC2 Instances** using **Terraform**.
- **Serverless** setup using **AWS Lambda** and **API Gateway**
- Providing **Cost Effective Solutions** for Deployments and using AWS Resources.

CONTRACT EXPERIENCE

CipherHut - May 20 - July 20

Setup Client's Application Architecture on **Digital Ocean** platform and configured **CICD Setup** using **Github** and **Terraform**. Used **GoDaddy** Services to get correct domains. Used **ApiGee** with **Nginx** to host **Python** and **NodeJS APIs**

Legato Health Technologies - July 20 - January 21

As part of DevOps team, We provided 24x7 Support to keep Applications available at all times. Worked on numerous **Jira** tasks on daily basis to deploy new applications to our pool of services. Setup **CICD** architecture using **Bitbucket** and **Bamboo**. Currently migrating all existing environments to **AWS ECS, ECR, EKS** Services. Migrating **Docker Swarm** to **Kubernetes**. Working in 3 rotational shifts of 8 hours each. Created Cron Jobs to monitor System Health and take necessary actions to fix most common issues.

SKILLS AND ABILITIES

- Terraform Scripting
- Windows/Unix Shell Scripting and Powershell
- Jenkins - Code Repo integration for CICD Setup
- Packer/Puppet/Ansible scripting for Automated server configuration and management
- Serverless Setup using AWS Lambda, S3, API Gateway
- Database Migration
- JSON and YAML Scripting
- Working Knowledge of Apache Hadoop, Pig, Spark, Sqoop and various data analytics Python libraries like Pandas, numpy, scipy, matplotlib etc

INTERNSHIP

DATA ANALYST

Itronix Solutions, Mohali - January 20 - June 20

During college internship on **Big Data analysis** using **Apache Hadoop, Pig, Hive, Sqoop, Spark, R** and various **Python libraries** like **matplotlib, Pandas, Tkinter, plotly, etc**. I configured Hadoop's master slave architecture using different machines and **AWS EC2 Instances**. Learned to store and clean textual data containing billions of entries. Hive use SQL queries to get results. I worked on US Govt provided logs and records which are available at data.gov to analyze frequency of a particular reading and predict future scope.