

# 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.