

DARSHAN RAUL



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darshan-raul.github.io

github.com/darshan-raul

cloudforte.wordpress.com

SUMMARY

- Currently serving as **Junior Devops Engineer** at FHS,Thane.
- **2.8+ years** of IT experience.
- Around 2 years of experience in major AWS services with knowledge of some GCP,Azure services.
- Hands-on in services like IAM, EC2, S3, Lambda, Cloudwatch, RDS, Route53, VPC, Cloudformation.
- Competent in Cloud Computing, Devops and Infrastructure as code concepts.
- Passionate about automation. Created automation scripts in Python/Bash.
- An effective team member with proven abilities to be a part of the team during the project phase and training .
- Possess excellent troubleshooting, interpersonal and time management skills.
- Have created Open Source projects ranging from Angular web app, Containerized application, Serverless REST API.
- Blog about Cloud/DevOps technologies and share experiences.

SKILLS

Domain	Hands-on	Familiar with
Cloud	Aws	Gcp,Azure
OS	Ubuntu,Red Hat	Amazon Linux
Version control	Git,Github,Bitbucket,Codecommit	Google repository,SVN
Scripting/Programming	Python,Shell,Angular,Javascript	Typescript
CI/CD	Jenkins,CodePipeline	GitlabCI,Buildbot
Configuration Mgmt/IAC	CloudFormation,Ansible,Puppet	Terraform,Chef
Containers/Orchestration	Docker,Docker Swarm	Kubernetes,ECS,GKE
Monitoring	ELK stack, Graphana	Nagios,Glances
Miscellaneous	MongoDb,MySQL,pytest,	Karma

EXPERIENCE

Nov 2018 -
Current

Junior Devops Engineer

Fountain Hill Systems,Thane

Environment: AWS (EC2, S3, IAM, Cloudformation, Cloudwatch, Route53, RDS, EBS, EFS, Elasti-cache, ACM), ELK stack, Jenkins, Puppet, Nginx, Tomcat, Maven

- Responsible for the deployment of architecture on 4 different (Prod, Stage, Qa, Dev) environments in 4 different AWS regions.
- Deployment by building the jobs on Jenkins which would load artifact and Cloudformation template files to S3.
- Deploying latest architecture by building and creating/updating Cloudformation Stacks.
- Configuration management using the puppet scripts.
- Managing Load Balancing from ASG and doing RCA on Linux servers in case of failed deployment or sudden errors in the processing.
- Monitored the AWS architecture using Cloudwatch and created alarms to notify anomalies.
- Monitored the app logs using ELK stack.
- Assisted in updating the Cloudformation templates to better suit the latest dependencies.
- Explored ways to integrate EC2 reserved instances in environment to slash cost's by 50%.
- Participated in project management through Github boards and JIRA.
- Created documentation on various aspects of the project like security, configuration, improving efficiency and monitoring on Confluence.
- Created POC for monitoring and auditing tools like Site 24/7,Manageengine,Cloudsecurity plus.
- Performed DR testing on the architecture to test for vulnerabilities.
- Exploring new open source tools and technologies.

AWS / Linux / Jenkins / Nginx / Tomcat

Aug 2018
Part-time

Freelancer

Saans Foundation,Pune

- Created Static website on AWS S3
 - www.saans.org.in
 - Freelancing and Volunteering for NGO.
 - Created videos for social media and website
- Html / Css

Aug 2016

Software Engineer

Zensar Technologies,Pune

- Worked with a team to manage a quickly growing messaging infrastructure in Hybrid Cloud and Onpremise's Windows and Linux server environment ranging from Email, Instant messaging, Journaling and BYOD mdm.
- Provided daily monitoring, management, troubleshooting and issue resolution to system and services in the Windows servers.
- Assisted in configuring a server infrastructure to move existing on-premise environment to AWS cloud.

Windows Server / AWS / Powershell

EDUCATION

2012 – 2016

BE Computer Science

MES College of Engineering,Pune

2010 – 2012

HSC

Nowrosjee Wadia College,Pune

PROJECTS

AWS Konsole:

Angular 7 Web app to interact with AWS services • Deployed as static website on S3 • Backend is a Serverless API running on AWS Lambda • CI/CD pipeline using Jenkins www.awskonsole.ml

 github.com/darshan-raul/awsdashboard

NativeScript Mobile App:

NativeScript/Angular 7 Mobile app to interact with AWS services • Can be deployed both as a IOS and Android App • Backend is a Serverless API running on AWS Lambda

 github.com/darshan-raul/NativeScript-Mobile-App

Python AWS CLI:

Python based CLI application to interact with AWS services • More interactive way to deal with AWS operations rather than traditional CLI • Backend is a Serverless API running on AWS Lambda [pip install pyawscli](#)

 github.com/darshan-raul/Python-CLI-for-AWS


ServerLess REST API:

Python Flask based API endpoints running on AWS Lambda • Lambda functions integrated with AWS API gateway • Monitoring the API responses/logs using AWS Cloudwatch and generating notifications to Slack on alarms.

 github.com/darshan-raul/SAM-Serverless-Application-Model-rest-api-lambda-

Containerized Flask API application:

Python Flask based APlapp running on Python 3.6 • Docker file to create a image and containerize the app • Image on dockerhub: [docker pull darshanraul/awsapi](#)

 <https://github.com/darshan-raul/Python-REST-API-for-AWS>