Vishnu V S

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About Me

Software Engineer with in depth knowledge of Amazon Web Services (AWS), CI/CD frameworks (Jenkins) and DevOps. I also possess project execution knowledge with Java and Python.

Executive Summary

- Worked as DevOps Engineer with Tapasya global solutions (TGS).
- Implemented DevOps operations in TGS (Tapasya Global Solutions) with best practices like CI/CD with Jenkins.
- Developed Medical software for dWise Healthcare using strict medical guildlines.
- Certified Chaos Engineer with Gremlin Chaos Engineering Practitioner Certification (GCCEP).
- Received Java certification and training from JSpiders Bangalore.
- Well versed in AWS Cloud Service like EC2, S3, IAM, RDS, CloudWatch and Lambda.
- knowledge on managing and integrating code Quality tools like SonarQube
- Working knowledge in Spring and .NET framework.
- Experience with tools like Eclipse, Visual Studio and AWS cli.

Education, Certification & Affiliation

- **Gremlin Chaos Engineering Practitioner Certificate - GCCEP**

- **Java Training and Certificate from JSpiders**

- **Undergoing AWS Certified Cloud Practitioner course from Whizlabs**

- **Preparing for Exam AZ-104: Microsoft Azure Administrator from Whizlabs**

- **B.TECH in Computer Science and Engineering** from College of Engineering Vadakara, CUSAT (2014- 2018)

Professional Experience

Tapasya global solutions (DevOps Engineer)   [April 2021 - Till date]

It's a Telecom data collection project, They are processing 5G data based on the analysis.

- Performed DevOps operations at Tapasya global solutions.
- Orchestrated AWS services using AWS Step Functions.
- Developed code with both AWS Lambda and AWS Step Functions to access AWS resources like (Amazon S3 buckets).
- Created Lambda Functions using python Boto3 to validate JSON files.
- Created Amazon S3 trigger to invoke a Lambda function when JSON files appear in S3 buckets.
- Deployed AWS Lambda Function using Serverless Framework.

dWise Healthcare (Software Engineer)   [Jan 2020 - June 2020]

Upgraded AsterDM medical application to include new registration fields in patient registration. Insurance modules needed to be updated as well.

- Enhanced AsterDM medical application used for patient enrolment by modifying backend and services.
- Modified patient profile database tables to include government regulated fields like Adhar and Voter information.
- Created Services in PHP to link functions created in PostgreSQL in the backend.
- Modified Insurance modules and backend services to support new insurance policies.
- As a backend developer, created/modified PostgreSQL db tables/functions to support changes proposed by business.

Cochin University of Science and Technology (Student)   [2014-2018]

Created a chat application using PRIDE technology to optimize data transfer in networks. The project was used as a Technology demo of PRIDE technology. We implemented the de-duplication engine, and experimental results show that our proposed scheme can remove up to 65 percent of the packet contents in a real campus network.

- Created .NET application using PRIDE (Protocol-Independent De-Duplication Engine) to support internal and external communication between faculties, students and parents.
- Created scalable solution for supporting emerging networks with new de-duplication engine.
- Used Packet level de-duplication engine for supporting a range of networks running from traditional internet to emerging networks.
- The new scalable de-duplication engine for packet recording can eliminate redundant contents over multiple packets. The proposed scheme is designed for packet-level de-duplication to support any kind of network from the current Internet to emerging networks.

Technical Knowledge

Languages	Java,Python
Databases	MySQL,PostgreSQL
CI/CD Tools	Jenkins
Operating systems	Windows Servers, Linux, Centos
Cloud Tools	AWS, EC2, S3, IAM, RDS, Lambda
Infrastructure Automation Tools	Terraform
Programing Tools	Eclipse, Visual Studio,AWS cli
Chaos Engineering Tools	Gremlin
Code Quality Check Tools	SonarQube
Others	Docker, Git and Git workflows, Spring boot framework
Virtualization Tool	Oracle VM Virtual Box