

PROFESSIONAL EXPERIENCE

Software Engineer - DevOps

Feb 2018 – Present

Sophos, Ahmedabad, Gujarat, IN – <https://www.sophos.com/>

Member of Sophos Email team, engineering the cloud ready solutions. Evolving the DevOps practice and implementing them to achieve the high-availability.

- Implementing DevOps culture.
- Implementing and monitoring the CI/CD.
- Building automation for quick infrastructure deployment.
- Participate in software and system performance analysis and tuning, service capacity planning and demand forecasting.
- Development & enhancement of monitoring tools to manage services and applications developed; build tools and automation to prevent problem recurrence.
- Integrating into troubleshoot for the issue resolutions.

DevOps Engineer

May 2017 – Dec 2017

Quantiphi, Mumbai, Maharashtra, IN – www.quantiphi.com

- Handling and managing the AWS and GCP Cloud.
- Helping DEV team design and build the scalable architecture. Expertise into “Go Serverless”.
- Review and influence new and evolving design, architecture, standards, and methods for operating services and systems.
- Develop scalable infrastructure components and tools for infrastructure monitoring.
- Managing DevOps tools like GIT-GitLab repository, CI/CD.
- Building automation for quick infrastructure deployment and monitoring.

Software Engineer

September 2014 – April 2017

SoftVan, Ahmedabad, Gujarat, IN 380015 – www.softvan.in

Worked as DevOps profile, with strong analytical and logical skill, responsible to design and develop the cloud ready end to end solutions and to provide migration for developed system to cloud. Managing the consulting and training for corporates.

PRIMARY SKILLS

AWS, GCP, Docker, Jenkins, Bamboo, Terraform, Git, GitLab, Java, Maven

CERTIFICATIONS

- Diploma in Java by C-DAC.
- Google Cloud Platform Fundamentals: Core Infrastructure by Google Cloud on Coursera.
- Essential Cloud Infrastructure: Foundation by Google Cloud on Coursera.
- Essential Cloud Infrastructure: Core Services by Google Cloud by Google Cloud on Coursera.
- Elastic Cloud Infrastructure: Scaling and Automation by Google Cloud on Coursera.
- Google Cloud Platform Fundamentals: Core Infrastructure by Google Cloud on Coursera.



Mishal Shah

Software Engineer - DevOps

Mail: mishalshah92@gmail.com

Phone: (+91)7600454376

Web: www.ms92.in

LinkedIn: in/mishalshah92

GitHub: mishalshah92

Skype: mishalshah92

EDUCATION

BE with Computer Major
Gujarat Technological
University (GTU)
2010 - 2014

DEVOPS SKILLS

Cloud Platforms

AWS, GCP, Azure

Automations

Terraform

CI/CD

Jenkins, Bamboo

Version Control

Git, GitLab

Scripting

Shell

Application Web Servers

Apache 2.0, Tomcat

Build Tools

Maven

OS Platforms

CentOS, Ubuntu, Windows
Server

PROJECTS

ATHENA'S OWL - Quantiphi Inc.

athenasowl.tv

Athena's OWL is the media content analysis tools that delivers hi-def meta tags and deeper insights about video content and its impact on the viewers.

CHALLENGE

Portal is receiving very heavy media traffic. To process media files for content analysis takes heavy computation and that require the large pool of resources. For that, we require building environment which is highly traceable and scalable. Also, the challenge was to build processing environments with the capability of providing the high availability in any condition.

SOLUTION

- With the approach of Distributed Application Architecture we build the Work-Flow management.
- Into the distributed architecture of the application, each web-service module is running with own separate containerized environment with easy manageable and pluggable scaling, logging and monitoring.
- Enjoyment is scalable, with queuing architecture for work-flow management and it allows the traceable job execution with point of status update.

KEYWORDWS

Work-Flow Management, Java, Python, Docker, Web-services, Google Cloud Platform, Load-Balancing, SQL, Object Storage, Jenkins, Automation, GitLab

ONLINE EXAM PORTAL - SCHOOLGURU

schoolguru.in

CHALLENGE

An online exam management portal on which 5000 concurrent users at the given point of time. Challenge was to create scalable architecture with dynamic session management and to provide disaster recovery.

SOLUTION

Deployed the same and developed the micro-service architecture on top of the framework.

KEYWORDWS

AWS S3, AWS Lambda, AWS RDS, AWS API Gateway, AWS SNS, Java, HTML, CSS, JS, JSON, AJAX, Multipart upload, sharing with access level management, synchronization, encryption, versioning.

TASKTOWER

deepfoods.com

CHALLENGE

A complete ERP with employee management, Communication Management, Workflow Management. Challenge was to build scalable architecture with cloud components with Server less Architecture with advance features like sharing, synchronization, encryption, versioning, etc.

SOLUTION

Deployed the same and developed the micro-service architecture on top of the framework.

KEYWORDWS

AWS S3, AWS Lambda, AWS RDS, AWS API Gateway, AWS SNS, Java, HTML, CSS, JS, JSON, AJAX, Multipart upload, sharing with access level management, synchronization, Encryption, versioning.

PROGRAMMING SKILLS

Programming Languages

Java-J2EE, Node

Programming Frameworks

Spring Boot, Hibernate 4

Web Technologies

HTML5, CSS, JS, JSON, Ajax, JQuery

Databases

MySQL, Dynamo DB, Redshift

Development Tools

Eclipse, NetBeans

CRYPTOGRAPHY

Algorithms

AES, RSA, Homomorphic, NW-Encoding.

OTHER PROJECTS

Highfliers

One Click infrastructure provisioning with AWS Cloud-formation.

Sentiment analysis with Twitter

INTEREST

Customized load-balancer

Log mining with business intelligence

Data security and integrity API development with cloud integration

PROJECTS

NEWS PORTAL - SELLNEWS

sellnews.com

CHALLENGE

A News Selling Agency allow its users to share and sell news. On which there thousands of user there were uploading videos and image concurrently.

SOLUTION

For same we have integrate various services like load-balancing, auto-scaling, for high-performance, low latency. We develop the server less architecture using API gateway, SNS, Lambda.

KEYWORDWS

AWS S3, AWS Lambda, AWS Cloud Watch, AWS API Gateway, AWS SNS, AWS ETS, Server less, Scalable, Compression, Watermarking.

NAIL-BITER

nail-biter.com

CHALLENGE

They have video campaigning portal serving to thousands of customers. From the millions of devices companying videos got uploaded to the Server.

SOLUTION

For the same we build the server less architecture for video compression, scheduled backups watermarking, web-services, with disaster recovery.

KEYWORDWS

NLP, AWS EC2, AWS S3, AWS Redshift, Java, HTML, CSS, JS, JSON, AJAX

TREAND ANALYSIS

CHALLENGE

Every day there is new research in the world. Challenge is to gather the research that is going on around the world and to process it for finding treanding technology.

SOLUTION

We gather patents form almost around the world's patent office and process it to generate trend analytic. We developed dynamic approach that process patents and generate the analytic with real-time updating scenario.

KEYWORDWS

NLP, AWS EC2, AWS S3, AWS Redshift, Java, HTML, CSS, JS, JSON, AJAX

GPS TRAJECTORY MATCHING

CHALLENGE

The location tracking into the vehicle with the GPS devices and the mobile app for the human location tracing. GPS tracking data for both the vehicles and human are continuously coming and will store to database. Challenge is to find weather person was into the vehicle or not.

SOLUTION

We designed queuing solution with AWS, to process the continuous data with SQS, S3, and RDS. We work on the algorithm named Dynamic Time Warping to match the locations. We configured the advance custom log management with AWS S3 for storing.

KEYWORDWS

Dynamic Time Warping (DTW), AWS EC2, AWS S3, AWS RDS, AWS SQS, Java

LANGUAGES

English (Professional)
Hindi (National)
Gujarati (Native)

HOBBIES

Travelling
Music
Movies