






# Geo Johns Antony

## MLOPS Engineer

Professional MLOPS engineer with experience in designing and implementing MLOPS platforms. Worked with senior executives in converting multiple AI ML use cases into MLOPS solutions.



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## WORK EXPERIENCE

### MLOPS Engineer

#### Aividtechvision LLP

*Sept, 2020 – Present*

*Ahamedabad, India*

- Startup focusing on creating Video Analytics platform as a service. I reported directly to the CEO, transforming ML business use cases into production ready applications.
- Designing and creating scalable MLOPS cloud native platform for Video Analytics. Involves live stream and recorded videos.
- Containerized solutions implemented for efficient resource utilization. Kubernetes platforms utilized for orchestrating containers. Istio used for Orchestrating services and networks.
- MQTT messaging platform utilized for Edge device secure and efficient message transfer.
- Working on Anthos, GCP and Azure managed cloud platforms and unmanaged Kubernetes clusters.
- Designing a platform for CI/ CD automated management for End to End deployment of ML code as a micro service, with ability to handle data from various sources.

### MLOPS Intern

#### Reliance industries Ltd

*June, 2019 – May 2020*

*Mumbai, India*

- Reliance is an Indian multinational conglomerate, where my area of work was in the IT department for Oil & Gas Industry. I reporting to the Associate Senior Vice President.

- Designed and implemented an MLOPS platform for Data science use cases which involved integration of various frameworks.
- Containerized platforms were utilized for efficient usage of resources in each stage of processing the workflow. Kubernetes were utilized to manage these containers.
- Code development platforms including containerization of IDE's were created. Similarly, for deployment use cases various model serving frameworks such as Seldon, Tensor Serve, PyTorch Serving, Flask were utilized.
- Kubeflow Platform with Kale was used in training of model efficiently in a Kubernetes cluster, which provided better training time.
- Secure Hadoop systems were utilized for distributed data storage and processing, Hadoop needed to be integrated with Kubernetes for successful data transfer.
- Spark was utilized in some use cases which required live stream of data. Spark analytics platform were linked with Kubernetes systems
- Kafka systems was used in message transfer into the model for some use cases. An integration piece was created for Kafka to talk to Kubernetes.
- Azure Platforms were utilized as the Managed service platform in this company. Also for handling sensitive data's, unmanaged On Premise servers were utilized. MLOPS platform were created with cloud integration and was able to deploy on both Cloud and on Premise with CI/ CD integration.

## EDUCATION

### Masters in Engineering (Computer science & Engineering with Specialization in Big Data Analytics)

University: Vellore institute of technology, India

CGPA: 8.7/10

July,2018 – August,2020

### Bachelors in Engineering (Computer science & Engineering)

University: Christ university, India

CGPA: 7.5/10

July,2014 – May,2018

## SKILLS

### Technical Skills:

Kubernetes, Anthos, Docker, Istio, Kubeflow

Hadoop, Spark, Hive

GCP, Azure, AWS

Python, R, Bash, C++, C

Jenkins, Argo, Azure Pipelines

GitHub Actions, GitLab Runner

GitOps, Terraform

YAML, CMake, make, Git

MongoDB, MySQL, MINIO, Redis

Linux VM, Windows VM

Reverse Proxies, Load Balancers

### Soft Skills:

Teamwork

Research & Implementation

Strategic Thinking

Leadership

Decision Making

Planning

## HONOURS & AWARDS

Star award for outstanding performance for MLOPS platform (Reliance industries Ltd)

## Hobbies

- Open Source Enthusiast, reads release notes of New and updated releases of various software's and tries to implement the same.
- Travels a lot to see new places and gain new experiences.

## Interested Fields

- Cloud Computing
- Kubernetes
- AI ML
- Git

## LANGUAGES

English 

Hindi 

Malayalam 