

Nitishkumar Singh

Senior Software Engineer

Working together with a team to solve new and unusual problems using the Cloud, ML, IOT or Blockchain technologies, where skills can be effectively used and improved to benefit of team and organization.

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WORK EXPERIENCE

Senior Software Engineer at AthenasOwl.tv Quantiphi LLC

09/2017 – Present

Achievements/Tasks

- Smart Analytics - Designed & Implemented the complete solution from end to end based which helps in presenting and analyzing TV content more accurately for TV channels, media houses, and content-producers. Designing pipeline to capture and transform data generated by ML APIs, mapping them w.r.t viewership data. Built a reporting platform to fetch useful insights for the different category of users, using Django and Angular. 🔗
- API Gateway + Service Discovery - Designed & Implemented the micro-services communication architecture for the entire platform using consul. Built API Gateway to expose micro-services to external applications as well as integrating authentication, authorization services and handling of un-matched requests using Spring Cloud Gateway
- Smart Workflow - Designed and Build a framework allowing the user to create custom ML workflows by intuitively selecting ML APIs on UI. User can connect multiple APIs to each other like graph nodes, can easily pass the output of a single node to single/multiple nodes on UI using mxGraph and Angular. Designed the backend architecture to orchestrate the flow of ML APIs and creating/destroying the infra as and when required using messaging queue and serverless. Validating the input/output structure of each API and logging the progress of workflows dynamically. 🔗
- Curation Tools - Designed and built interfaces to curate video and audio assets processed through smart workflow, which in turn help post-production houses in doing their day to day activities smoothly and quickly. It can also be used by media houses do the complete tagging or curation of processing done by the by smart workflow on the media content. Curation Tools allows multiple users to work on the same video assets, but for the different video/audio features simultaneously using technologies like Mongo, Django, and Angular.
- Workflow Manager - An interface, which allows stakeholders in the management of the processing of videos on smart workflows and curation tools. User can simply assign the task to others and track the progress of those activities. It also helps in determining the accuracy and efficiency of smart workflows process, by tracking how many changes have been done by tagger/reviewer after processing.
- Experience of working with cloud functions, app engine, cloud storage, kubernetes engine, pub/sub, big query, datastore, Memcache, compute engines, stackdriver, Cloud CDN, Composer on GCP and Simple workflow service, API gateway, CloudFront,s3 storage, lambda functions, SQS, elastic transcoder, EC2 instance, CloudWatch on AWS.
- Working together and Guiding a team of 8 developers to create core product from scratch. Learning & helping others in developing new skill sets, by keeping sessions within the internal/cross-team on different technologies.

Senior Software Engineer Capgemini

06/2015 – 08/2017

Achievements/Tasks

- Worked as full stack developer, helped in development for multiple angular & Java/Python projects using Spring Boot/Django. Trained team-mates in AngularJS to kick-start project development and managed a small team of 2 developers for UI development for one of the project.

SKILLS

Python/Django

Java/Spring Boot

JavaScript/Angular/Node

Kubernetes

Consul

Service Discovery

API Gateway

Serverless

Google Cloud Platform

Amazon Web Services

SQL

Mongo

Jenkins

Apache Kafka

angular

Cordova/ ionic

ACHIEVEMENTS

Rising Star of the Quarter - Capgemini
(01/2017 – 03/2017)

Woody Allen Award (10/2018 – 12/2018)

EDUCATION

Master of Computer Application (MCA), Mumbai
University (08/2012 – 07/2015)

Bachelor of Science (Information Technology),
Mumbai University (07/2009 – 05/2012)

CERTIFICATION

Oracle Certified Associate Java SE 8
Programmer (10/2016 – Present)

Google Cloud Professional Architect
(11/2018 – Present)

INTERNSHIPS

Mobile Application Developer at
Interiorsinfo.com (01/2015 – 06/2015)

Mobile Developer at ABM Knowledgeware LTD
(09/2014 – 02/2015)