

# Jaya Sai Muppalla

## Software Engineer

### Personal Info

#### Phone

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#### E-mail

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#### WWW

<https://jayasai470.github.io>

#### GitHub

<https://github.com/jayasai470>

### Skills

Java, NodeJs



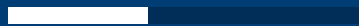
Expertise

SpringBoot, Express, Serverless



Advanced

GoLang, Python, ReactJs



Beginner

AWS



Expertise

Kafka, Kinesis, RabbitMQ



Advanced

Apache Flink



Intermediate

Kubernetes, Helm, Docker



Advanced

Devops, Terraform



Intermediate

Mongodb, Dynamodb, Redis



Advanced

Elastic Search, Mysql, Cassandra



Intermediate

Rest, WebSocket, MQTT, GraphQL



Advanced

### Summary

Experience in designing, developing, deploying and maintaining highly available, scalable rest api's which are battle tested and performance optimized using java, nodejs and aws

### Experience

2019-07 -

present

#### Engineer 2, Software Process Engineering

**Employer:** Samsung Electronics America Inc

- Implemented nodejs backend services and deployed on Kubernetes(EKS) using helm
- Worked on setting up infrastructure using terraform for serving Global traffic with compliances
- Maintained private NPM libraries with sinopia artifactory and hosted private helm charts and helm repo using s3
- Implemented indoor positioning system by proximity using beacons and worked on contact tracing for wearables
- Designed back-end architecture components and services to support B2B Samsung Gear applications
- Created microservices with FAAS approach, using event driven architecture with hosting on AWS and deploy from code approach using Serverless
- Created full reactive applications using spring webflux, MongoDB, Kafka
- Implemented GraphQL apis
- Automating deployment of single page based react app using CDN, S3, Jenkins, CircleCI .
- Used apache flink for real time stream processing with detections using CEP(complex event processing)

2015-06 -

2019-07

#### Server Engineer

**Employer:** First Object inc **Client:** Samsung

- Developing and deploying with serverless stack, dynamodb in a global multi region deployment with less latency as key goal
- Worked with GeoSpatial queries and GeoHashing for Geofence, Location aware based alerts. Used openstreetmaps, leaflet, google maps, here maps for geocoding and plotting
- Exposure in all parts of the app development including client, server, content management system(Magnolia), persistence layer, stream (Kafka) etc.
- Created fully reactive UI which update automatically using Meteor, Handlebars, MongoDB
- Worked on springboot microservices, IOT applications using MQTT
- Rapid prototyping for POC's with new technologies and maturing them to be production grade deployments using AWS

### Education

2013-08 -

2015-05

#### University of Missouri Kansas City (UMKC)

Master's in computer science

2009-05 -

2013-04

#### Jawaharlal Nehru Technological University

Bachelor's in Electronics and Communication Engineering