

# GOWRI SANKAR K

## PROFESSIONAL PROFILE

### Senior Software Engineer



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- ❖ Oracle Certified Associate, Java SE 8 Programmer and Oracle Certified Professional, Java SE 6 Programmer.
- ❖ Passionate about utilizing cloud base technologies to architect durable, repeatable, highly available, self-healing solutions that can in turn help increase the velocity of development teams
- ❖ Worked as part of a dynamic team to build application used across public sectors of Japan
- ❖ Excellent team player focused on being productive, transparent, collaborative across all levels of the business with business etiquette.

## EXECUTIVE SUMMARY

## AREAS OF EXPERTISE

Software engineer, with experience in developing end to end application and deploying the applications in the cloud.

### SKILLS OVERVIEW

- Expert in developing end to end application in MERN and MEAN stack technologies
- Knowledgeable and experienced within AWS Services and cloud architecture design
- Quick learner and can adopt to the new environment
- Highly focused on performance, security, documentation, coding standard right from the development phase.

- Frontend technologies:
  - 1.React.js
  - 2.Angular 8
  - 3.HTML5, CSS
  - 4.Typescript
- Backend technologies:
  - 1.Node.js
  - 2.SpringBoot
  - 3.Java
  - 4.GraphQL
  - 5.RabbitMQ
- Database technologies:
  - 1.MySQL
  - 2.ElasticSearch
- Cloud technologies:
  - 1.AWS
- CI/CD technologies:
  - 1.Jenkins
  - 2.Github actions
- Version control Systems:
  - 1.GIT
  - 2.SVN
- Using IBM Watson for designing workflows in conversational chatbot development
- Building GraphQL and REST APIs using Serverless architecture with Node.js.
- Cross department collaboration
- Serverless microservices development using AWS SAM

## Relevant Experience

## **July 2021 onwards**

### **Senior Software Engineer**

#### **Coda Global / Presidio**

- Developed a education module for the chatbot application using Serverless architecture and React.js .
- Re-architected the rule engine in javascript for the chatbot to pick the best response for the NLP.
- Used RabbitMQ as the message broker(MQTT protocol) in node.js for the notification in the product owners dashboard which shows the latest downloaded products via chatbot to track what should be the NLP and what is the product which got downloaded frequently by the users.
- Created a new architecture to scrap a product datas using serverless Python (beautiful-soup package) runtime lambda triggered using a cron job (AWS EventBridge) from a webpage and upload those information into a Dynamodb and load those data into a react autocompletion and suggestion component and published them as a separate react package into the npm registry.
- Created a pipeline using AWS Codebuild to deloy a frontend react application into the AWS S3 using CloudFormation Template.
- Created a new chatbot for sales related queries using react.js and IBM Watson and Serverless lambdas with node.js runtime.
- Changed the theme of the whole chatbot and react components used inside the chatbot using Material UI theming.

## **September 2020 – July 2021**

### **Software Engineer**

#### **Coda Global / Presidio**

- An integral part of the core development team that has built an artificially intelligent digital assistant for an American multinational software giant.
- Deployed the different GraphQL query and mutation services as independent lambda resolvers using Serverless framework and AWS AppSync as an integral participant in the microservices architected solution.
- Experienced in creating and working with react components to interact with the backend service.
- Integrated the chatbot application with AWS database services such as Amazon DynamoDB and ElastiCache, and networking services such as Amazon VPC and Route 53.
- Engineered the chatbot application flow using IBM Watson Conversation.
- Experienced in writing complex MySQL queries in AWS athena for snowplow analytical results.
- Experienced in creating annotations or decorators to handle the XSS in Node.js using typescript.

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- Designed & built CI/CD system utilizing Jenkins, Ansible, AWS CodeDeploy, AWS CodeBuild, AWS CDK and Git.

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*June 2018 – August 2020*

### **Software Engineer**

IVTL Infoview Technologies Private Limited

- An integral part of the core development team that has built an cloud based ERP services for an Japanese multinational software giant.
- Deployed the different REST APIs developed in Springboot in cloud using CI/CD pipeline.
- Revamped the whole application from monolithic architecture to microservices architecture.
- Experienced in creating and working with angular components to interact with the backend service.
- Integrated the Rest APIs developed in Springboot with database services like Elasticsearch and MySQL.
- Integrated the Angular search engine components with Elasticsearch.
- Designed Kibana dashboard for the analytics query results.
- Experienced in Writing unit testing using Junit and Mockito framework.