Umesh Moorthy

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• Portfolio - umesh-lewa.github.io

TECHNICAL SKILLS & AREAS OF INTREST

- Java ,Shell ,SQL , Python, AWS ,Docker ,GCS ,Git ,Jenkins ,CouchBase ,Microsoft Azure ,Linux.
- Problem Solving ,Data Structures ,Ployglot Development ,ETL ,Data Migration ,Continuous Integration ,Full Stack Web Development ,Game Development.

PROFESSIONAL EXPERIENCE

Servion Global, Chennai
Software Engineer, May 2019 - Present
Technologies Used: Java ,ReactJS ,Angular ,Node.js ,GCP DialogFlow ,HTML ,CSS , Javascript ,Cisco Unified Call Studio ,MS SQL ,BSON ,GSON ,MongoDB ,Oracle ,SOAP Web Services ,Apache Tomcat , Hibernate.

Roles and Responsibilities :
- Design and Develop Chatbots ,Responsive Web Applications and IVR applications to enable Omnichannel customer experience.

Projects :

- **Virtual Assistants (ChatBots):**
  Built Interactive, Intelligent and self-learning chatbots using GCP DialogFlow(Api.ai) as the NLP Engine integrated with Skype, Google Assistant, Slack (both text and voice supported) with Intent-Entity mapping depending on the use-case and deployed on Google Firebase(Cloud Functions) enabling webhooks to interact with third party API's.

- **Front-End Web Applications :**
  Design and build user-friendly, and feature-rich and responsive web applications using HTML, CSS and Javascript frameworks/libraries like Angular ,React.JS.

- **Cisco IVR Application:**
  IVR applications developed using Cisco Unified Call Studio supporting DTMF inputs using a vXML gateway(supporting Text-to-speech functionality) deployed on Tomcat server for banking clients.

Striim, Chennai
Software Development Intern, August 2018 - March 2019
Technologies Used: Java ,Shell ,Python ,SQL ,AWS EC2 ,AWS S3 ,AWS DynamoDB ,Docker
Containers ,CouchBase Server ,Microsoft Azure EventHubs ,Microsoft Azure CosmosDB ,Microsoft Azure
SQLDWH ,Microsoft Azure Blob Storage ,MongoDB ,Oracle ,Snowflake DWH ,Apache Kafka ,Google
Cloud Storage ,Google Cloud Spanner ,Google Cloud BigQuery ,Jenkins ,TestNG.

Roles and Responsibilities :

- Design and Develop features to read/write data to various cloud services and databases.
- Work with QA Team to develop and maintain utilities used for automation.

Projects :

- **MongoDB Reader:**
  MongoDB Reader uses the mongo-java-driver. Reads from multiple collection across databases.
  Tails MongoDB oplogs for capturing change data (CDC). Does find() operations and loads data in
  bulk for initial load.

- **Snowflake Writer:**
  SnowflakeWriter buffers the incoming events as delimited fields in local file, based on an upload
  policy uploads the file to AzureBlob/S3, then stages the date from file to stage table, then
  compacts them and merges into final table.

- **Package Installer Automation:**
  Automated Jenkins Job to Install and Validate the different packages (RPM ,DEB ,TGZ ,ZIP),of the
  Striim Product , with support for various OS versions. AWS EC2 instances would be launched
  dynamically to validate the product on a bare EC2 instance to catch any dependency issues and
  verify in a fresh customer environment.

- **TestNG Framework :**
  Developed TestNG framework using Java and Shell ,used by the QA Team ,to run Integration
  Tests both in local environment as well as in Jenkins EC2 environment. The framework includes
  utilities to interact with the various cloud services as well as databases, which would be used for
  automation by QA.

EDUCATION

- B.E. Electronics & Instrumentation Engineering, Anna University, MIT, 2014 - 2018, CGPA : 6.7/10
- Higher Secondary, Jawahar Higher Secondary School, 2012 – 2014, Percentage : 95.75 %
- Senior Secondary, Pon Vidyashram, 2012, CGPA : 9.2/10

ACADEMIC RESEARCH WORK

- Paper on "Simulation of Human Episodic Memory By Using a Computational Model of The Hippocampus ".

PERSONAL DETAILS

- Date of Birth   : 14-02-1997
- Nationality   : Indian
- Marital Status   : Single
- Languages Known : Tamil, English