Sai Srinath Josyula

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Career Summary:

Software Development professional with 8 years' experience in IT industry. Hands on experience in designing and developing production level software systems at scale.

Education:

Masters in Information Technology **Jan 2017- Dec 2018**
Arizona State University, AZ.
CGPA: 4/4

Related Coursework:

Analyzing Big Data, Advance Data Analytics, Cloud Computing, Advanced SQL Techniques, System Administration of Unix, Software Engineering, Networking, Algorithms and Data Structures.

Skills and Abilities:

Languages:	Java, Python, Scala, JavaScript.
Web Technologies:	HTML, XML, JavaScript, jQuery, ReactJS, Bootstrap, CSS
Big Data:	Spark, MapReduce, Kafka, HBase, Hive, Oozie
API Related:	Spring, ReactJS, GraphQL
Others:	Azure blob storage, Jenkins, XLR, Docker, AWS, Google Cloud, Maven, Kubernetes, Event Engine

Masters Projects:

- Twitter-Review Analysis: Main aim is to provide review analysis of place, food, events etc. through charts. Used Django to provide user interface. Deployed application on Google App Engine, used BigQuery to store Tweets. Google Data Studio to Visualize data. Technologies: Python, Django, Google App Engine, BigQuery, Google Data Studio.
- Built a Meetup portal for ASU polytechnic campus using which students and faculty can organize meetings and share their knowledge. Technologies used JAVA, JDBC, Servlets, HTML, CSS, JavaScript.
- Built a fully functional portal for Photo-voltaic Module certification using Python, Django framework. Used MSSQL as database and implemented Stored procedures, Cursors, Triggers, Views, Dynamic SQL.

Work Experience: (Software Engineer)

Full Time: U.S Bank, Snr Software Engineer: May 2020- Present

- Designed and implemented a scalable Ephemeral Search Microservice on top of Azure Blob Storage to facilitate advanced search capabilities, including wildcards, range-based searches, exact matches, pagination, sorting, and limiting features. Established Spark batch pipelines to transfer data from Cassandra to blob storage, resulting in a cost reduction of approximately $3 million for the company.

- Designed and completely automated the creation of a GraphQL microservice, eliminating developers' manual intervention by automating GraphQL schema file generation, GIT project creation, code generation, Jenkins job creation, Postman collection generation, and Karate test suite creation. Enabled consumers to input Cassandra keyspace and table name to deploy a GraphQL microservice in 5 minutes. Currently, 500+ GraphQL microservices are running in production.
- Implemented security measures, including JWT generation and validation, to secure API endpoints.
- Developed custom circuit breaker logic to enhance the resilience of microservices, currently utilized across multiple APIs.
- Built a ReactJS application for internal use, leveraging Apollo GraphQL and React Router for seamless integration with backend services.
- Created utilities for seamless data integration with Kafka, enabling efficient message processing across different payload structures.
- Applied design patterns and best practices to ensure code quality and maintainability, contributing to the development of robust frameworks.
- Utilized Maven for project management and build automation, streamlining the development process.

Full Time: Impetus, Software Engineer: Jan 2019 -May 2020

- Part of Batch processing team which primarily worked on processing huge chunks of data by writing complex MapReduce, Spark applications using Java, Scala and Python as programming languages.
- Extract data from source Hive tables and run drool rules and load them to HBase tables. Have developed shell scripts which can archive the batch data. Have Developed Oozie scripts to schedule jobs.
- Developed a standalone java application which can read data from Hive and HBase table and push them to Kafka in required format. Application is triggered using a job scheduler called Event Engine. Developed Kafka consumer to consume and test.
- Expertise in using build tools like Maven and Gradle. Have used XLR to control the entire Software Life Cycle.

Full Time: Infosys and EdgeVerve, Software Engineer Dec 2014 - Dec 2016

- Built Restful webservices using java and spring with Cassandra as backend database.
- My work also involved in development of Finacle Treasury enhancements, moving configuration of app sever to database.