RAHUL KADAM

rkadam@syr.edu https://linkedin.com/in/rahulmkadam92 https://rahulmkadam92.github.io

EDUCATION

Syracuse University, Syracuse, NY

Jan 2017 - Dec 2018

Master of Science: Computer Engineering, GPA - 3.9/4.0

University of Mumbai, India June 2009 – May 2013

Bachelor of Engineering: Computer Engineering, GPA - 3.8/4.0

EMPLOYMENT

Software Engineer, Syracuse University

Jan 2017 - Current

- Designed & Developed web and mobile applications with backend services in Node.js-Express.js, MongoDB and MySQL serving both web and mobile user interface in React and Java for Android respectively.
- Built Big Data Pipelines to handle/store user interactions and performed data analysis using various machine learning algorithms on Hadoop & Spark Ecosystem.
- Improved performance of application by 57% by transforming legacy Spark RDD's to Spark Data Frames.
- Integrated Apache Kafka with Elasticsearch using Kafka Elasticsearch connector to stream all messages from different partitions and topics into elastic search for search and Analysis purpose.
- Deployed and managed applications on Amazon Web Services (AWS).

Application Development Analyst, Accenture

Nov 2013 - Dec 2016

- Developed Java web applications using Spring MVC and Hibernate with MySQL Database.
- Implemented RESTful and SOAP based web services using Spring Boot, JAX-WS, JAX-RS, Maven as a build tool and Oracle as an enterprise level database.
- Developed Junit and Integration test cases improving the code coverage to 95%.
- Developed Microservices in Node.js-Express.js consumed by Angular/React deployed on Docker and managed using Kubernetes.

TECHNICAL SKILLS

Programming lang.: Java, JavaScript, Python, Scala, C#, C++, SQL.

• Web - Frontend: HTML, CSS, Bootstrap, jQuery, Angular, React.

Web - Backend: Node.js, Express.js, PHP, Java EE, Spring, Hibernate.

Big Data & Cloud: Hadoop, Spark Ecosystem & Amazon Web Services (AWS).

PROJECTS

Kayak Travel Reservation:

React-Redux, Node.js, Express.js, MongoDB, MySQL, Apache Kafka, Elasticsearch, Redis

Kayak.com like distributed enterprise web travel reservation application which enables users to search for Cars,
 Hotels and Flights and make a reservation, integrated with Apache Kafka-Messaging Layer, Elasticsearch -Search.

Dropbox:

React-Redux, Spring Boot, Spring Data, Hibernate, MySQL, Passport.js

• Dropbox.com like distributed enterprise web application which enables users to upload-delete files/folders, share files/folders, create groups & add/delete.

Alexa Poly Skill: Python, AWS-S3, API Gateway, Lambda, DynamoDB, SNS, Poly, Cognito, Route 53, CloudFront, Alexa Skill

• Scalable web application using serverless architecture which converts text to audio mp3 files and creates an Alexa skill which can read these audio files on command from user

Web Server Logs Data Pipeline: Apache Spark, Spark Streaming, Apache Kafka, HDFS, Flume, HBase, Hive, Impala, Oozie

 Data pipeline for processing web server logs using Lambda Architecture which implements Batch, Speed and Serving Layers using various Big Data Technologies.

Yelp Dataset Visualization:

Apache Spark, Elasticsearch, Kibana, Sqoop, MySQL, HDFS

• Analyze business reviews from Yelp dataset and ingest the final output of data processing in Elastic Search.

Also, used visualization tool-Kibana in the ELK stack to visualize various kinds of ad-hoc reports from the data.

Predict Cancer Analysis: Python

Predict whether a mammogram mass is benign or malignant using Machine Learning Algorithms such as:
 Decision tree, Random forest, KNN, Naive Bayes, SVM, Logistic Regression and a neural network using Keras.

Remote Build Server:

C#, Multithreading, Process Pool, WCF, WPF, XML

• A Continuous Integration Tool that builds C# Source code submitted from multiple clients and displays results on a desktop app built using WPF and communication between clients occurs through WCF.

Remote Code Publisher:

C++, Multithreading, C++/CLI, Sockets, HTML

 Publishes source code files into html pages using Type-Based Dependency Analyzer and C++ socket-based communication channel using HTTP style messages with a GUI in C++/CLI for the user.

Foodie Social Media Mobile App:

Android - Java

• Instagram like Social Media Mobile app for Food Lovers where users can follow other users & create/share posts with images. Used Backend-as-Service in Firebase with Realtime Push Notifications.