

Suraj Bodapati

<https://lbodapat.github.io/portfolio/> • +1(201) 912 0239 • surajbodapati97@gmail.com • <https://www.linkedin.com/in/suraj-bls/>

EDUCATION

UNIVERSITY AT BUFFALO (STATE UNIVERSITY OF NEW YORK)

M.S. in Computer Science- 3.76/4.0

New York

2021-2022

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (CBIT)

Bachelor of Engineering in Information Technology

Hyderabad, India

2015-2019

EXPERIENCE

ORACLE

Buffalo, U.S.A (Remote)

Software Developer Intern, MySQL Heatwave Team

May 2022-Aug 2022

- Designed and developed a framework that utilizes AWS Simple Queue Service to post metrics data of the MySQL Heatwave service from Amazon AWS to OCI.
- Implemented an asynchronous and scalable AWS consumer lambda function that polls custom batched metrics data from the queue and posts the data to OCI. Built an automated system for error handling, logging and reprocessing of failed requests.
- Developed scripts using AWS CDK to create AWS SQS, Lambda resources and the corresponding IAM roles.
- Improved unit test coverage of AWS lambda functions from 72% to 94% using pytest framework.

JP MORGAN CHASE & CO.

Hyderabad, India

Software Engineering Program, Corporate Technology (CT)

Jul 2019-Jul 2021

- Developed a Kafka based micro-service architecture to enable asynchronous straight-through processing of Instamed Client Onboarding requests. Implemented resiliency patterns using Resiliency4J, an automated failed request reprocessing infrastructure, and integrated log monitoring tools for high degree of resilience.
- Developed core functionalities and built RESTful APIs of a key application used across JPMC for Client KYC and onboarding, using Java Spring boot, Hibernate, Swagger, and worked in parallel on UI components using Angular.
- Developed a Kafka based micro-service for asynchronous real time update of client coverage data that resulted in 80% reduction, in the data access time for the end users.
- Volunteered and built an application for the NGO Dr. Reddy foundation (DRF) using ReactJS and Spring Boot. It is being used for connecting and maintaining the network of 5,000+ DRF alumni across India.

Software Intern, Consumer and Community Banking (CCB)

Feb 2019- Jul 2019

- Worked on the application refresh of a legacy application used for Mortgage lending into micro-services using Java Spring Boot and Angular Framework for the UI.
- Planned and executed cloud migration and maintenance of two applications on Pivotal Cloud Foundry.
- Followed 100% Agile practices, performed unit testing and worked on several DevOps tools like Jira, Bitbucket, Jenkins 2.0, Black Duck, Sonar, ServiceNow etc., for CI/CD.

ACADEMIC PROJECTS (DETAILS AND LINKS TO CODE BASE CAN BE FOUND ON MY PERSONAL WEBSITE IN THE RESUME HEADER)

NATIONAL SCIENCE FOUNDATION - CHATBOT TO COMBAT DISINFORMATION AND SCAM

2022

- Worked as a Research Assistant and developed a chatbot to combat scams among senior citizens. The chatbot is used to train senior citizens by emulating responses and various tactics used by scammers to gain personal and financial information.
- Project was funded by National Science Foundation, USA to help train thousands of senior citizens from fraud.

COVID-19 TWITTER DATA SEARCH ENGINE - INFORMATION RETRIEVAL

2021

- Developed a mini search engine using Angular for the UI, Flask for APIs and indexed the data in Solr. The application can be queried to obtain Twitter tweets related to Covid-19 and vaccines along with detailed insights and visualizations. Developed an efficient framework to scrape tweets from Twitter using python Tweepy API.

COVID-19 TIME SERIES ANALYSIS OF DAILY CASES, DEATHS AND RECOVERIES USING LSTM

2020

- Built a time-series forecasting model for univariate data to predict COVID-19 trends with 82% accuracy.

SKILLS

Languages: Java, Python, Typescript, JavaScript, C, C++, HTML, CSS, SQL, Shell Script, R.

Frameworks: Spring Boot, Angular.js, Node.js React, Tensorflow, Keras, PyTorch, NLTK, Flask, Zuul, Eureka.

Tools: Amazon AWS, Kafka, Pivotal cloud foundry, Elastic Search, Docker, Jenkins, Splunk, Git, Jira.

ACHIEVEMENTS (DETAILS AND TESTIMONIALS CAN BE FOUND ON MY PERSONAL WEBSITE IN THE RESUME HEADER)

1. Recipient of the **Execution Excellence Award** for Q1 2021 and Q2 2021 at firm level - JPMC *2021*
2. **Lead Author** of three research papers published in International Journals indexed by **IEEE and Springers** International.
3. **Runner-up** at JP Morgan-Code for Good Hackathon and developed an application for “Teach for India” NGO. *2018*