Suraj Bodapati

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EDUCATION

UNIVERSITY AT BUFFALO (STATE UNIVERSITY OF NEW YORK) *Buffalo, New York*
M.SC. in Computer Science- MS CS - Graduation June 2023 *August 2021-Present*

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (CBIT) *Hyderabad, India*
*Bachelor of Engineering in Information Technology – **8.35 CGPA*** *2015-2019*

EXPERIENCE

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.
- Developed core functionalities and built RESTful APIs of a key application used across JPMC for Client KYC, 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.
- Engineered a data caching solution as part of the Strategic LDM project. It uses Elastic Search to get results 50% faster to facilitate generic, targeted and fuzzy searches and is being used by multiple applications across corporate technology tower.
- Involved in the design and implementation of OAuth2 authentication mechanism based on Microsoft ADFS. Played a key role in migrating 100% of users and applications to the pivotal cloud by developing automated tools for optimal performance.
- Volunteered and built an application for the NGO Dr. Reddy foundation (DRF) using ReactJS and Spring Boot. It 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.
- Planned and executed cloud migration and maintenance of two applications on Pivotal Cloud Foundry.
- Built the CI/CD pipeline for automated deployment of application to Cloud environment.
- Improved the unit test coverage for legacy application from 11% to 82%.
- 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.

CAREATOR TECHNOLOGIES PVT. LTD. *Hyderabad, India*
Android application development Intern *May 2018- Jun 2018*

- Automated the customer login and information onboarding using the open data fetched from Google, LinkedIn and Facebook for a job search application called Milo-Now.
- Involved in the planning, testing, issue resolution and deployment of the android application to Play store.

ACADEMIC PROJECTS

COVID-19 TIME SERIES ANALYSIS OF DAILY CASES, DEATHS AND RECOVERIES USING LSTM *2019-2020*

- Built a time-series forecasting model for univariate data to predict various trends in COVID-19 cases

SENTIMENT CLASSIFICATION OF SOCIAL MEDIA REVIEWS WITH RNN-LSTM AND CNN *2018-2019*

- Performed sentiment analysis on IMDB gold standard dataset by pre-processing data using NLP.

REALISTIC HANDWRITING GENERATION USING RNN-LSTM *2018-2019*

- Developed a model to generate human-like handwriting by training the model on thousands of handwriting images using deep learning models and by performing hyper-parameter turning.

SKILLS

Languages: Java, Typescript, Python, Java Script, HTML, CSS, SQL, Shell Script.
Frameworks: Spring Boot, Angular, React JS, Tensorflow, Keras, PyTorch, NLTK, Flask, Zuul, Eureka.
Tools: Kafka, Pivotal cloud foundry, Elastic Search, Microsoft ADFS, Jenkins, Splunk, Android Studio, Jira.

ACHIEVEMENTS

1. Recipient of the **Execution Excellence Award** for Q1 2021 and Q2 2021 at firm level - JPMC *2021*

2. **Runner-up** at JP Morgan-Code for Good Hackathon and developed an application for "Teach for India" NGO. *2018*

3. **Lead Author** of three research papers published in International Journals indexed by IEEE and Springers International.