Aditya Sinha

Software Engineer

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EDUCATION

Malaviya National Institute of Technology (NIT Jaipur)   **Jaipur**
B.Tech in Computer Science and Engineering CGPA: 8.01   *Graduation: 2020*

EXPERIENCE

JPMorgan Chase & Co.   **Bengaluru**
Software Engineer II, WM Core Technology   *Jan 2022 - Present*

- Introduced new data in Elasticsearch document, worked on Kafka topics and Avro schema registry to push the asynchronous message to elastic datastore.
- Developed a data migration scheduled job to transfer data from Sybase to Oracle. Implemented callable threads and batching records to improve the speed of migration. This project expedited the process of transactional data migration and ensured the transactional data integrity.

Software Engineer I, WM Client Services and Common Capabilities   *Aug 2020 - Jan 2022*

- Adhering to org's motive of dev modernization, identified the inter-dependencies of database objects such as stored procedures and separated user-preference data store to cloud databases with Kerberos authentication. This successfully achieved the goal of modernizing technology, and eliminated the component from a single point of failure.
- Separated a particular business data to different Elasticsearch cluster and added a service in other microservices to start pushing and fetching data from new cluster.
- Lead the team in developed and modernizing a legacy VSI workflow engine into Cloud microservice application with connection to Distributed Cloud Databases, Kerberos based API Security, Scheduled-Job to load workflows in Cache, Asynchronous Messaging, CI/CD pipeline with BlueGreen deployment which increased system's reliability and maintainability.

Software Engineer Intern, CIB Testsight   *May 2019 - Jul 2019*

- Configured and added functionalities to opensource projects Selenoid and Selenoid-UI to run on Kubernetes instead of Docker.
- Deployed these apps on organization's private cloud kubernetes platform.
- Got hands-on experience in Docker, Kubernetes and Golang

SKILLS

- **Programming Languages**: C, C++, Python, GoLang, Java
- **Web and Database Languages**: HTML, CSS, Javascript, Oracle, Sybase
- **Technologies**: Elasticsearch & Kibana, Splunk, Android Studio, Docker, Pivotal Cloud Foundry, Confluent Kafka
- **Frameworks**: Spring

PROJECTS

Data Pipeline Microservice   *March 2022*

- As a part of India Hackathon programme conducted by JPMorgan Chase & Co., developed a micorservice which fetches any CSV files based on the source provided by user, stores in AWS S3, and returns a quarterly, monthly or daily report of the data in csv format.

Anudip NGO Mobilizer Web Application   *Feb 2021 - Jun 2021*

- As a part of Force For Good programme conducted worldwide by JPMorgan Chase & Co., got opportunity to work for Anudip NGO, providing them a web application for their mobilizer and leads tracking management. Added many NGO specific functionalities to an open source CRM application- Joget DX.
- Was rewarded with Certificate of Appreciation from Lori Beer, CTO JPMC.

Facial Age Progression using Generative Adversarial Networks   *Jan 2020 - May 2020*

- Developed a deep learning model using GANs to predict the aged (progressed and rejuvenated) image for any given face(128*128 px). Program was developed in Pytorch and model was trained on CACD dataset.

PUBLICATIONS

- ChildFace: Gender Aware Child Face Aging - BIOSIG 2020 Conference Paper

ACHIEVEMENTS

- Rewarded with Certificate of Appreciation in Force for Good 2020-21, JPMorgan Chase & Co.
- Participated in CS50x Puzzle Day 2019, rewarded with certificate for solving the greatest number of puzzles, signed by Prof. David J Malan from Harvard University.
- Codechef rating 1956(4 star), personal highest Global Rank 63 in Codechef Lunchtime.
- Bagged All India Rank 4468 in JEE Mains 2016 & stood first in CBSE XII in whole UT of DNH.