Jignesh S. **Satam**

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EXPERIENCES

Disney (StarTV)

Assistant Manager - Application Development & Data Engineering   April 2018 **-** June 2021

- Architected an in-house reporting engine by leading a team of 7 members and developing critical components, which replaced various reporting tools and **saved approximately $1.2 million every year**.
- Designed and developed an orchestration module that spins up the google cloud functions on demand by analyzing the columns and queries in the report and calculating the amount of data required to generate the report. This module **simplified new report creation and reduced the cost** by using cloud functions with less memory.
- Automated report deployment process by implementing continuous integration and continuous deployment (CI/CD) pipelines using google cloud build. This pipeline runs the test suite, calculates the code coverage, and deploys the cloud functions that make the deployment process of various reports lucid.
- Implemented a scalable data aggregator to show relationships between the data (projection, revenue, and viewership) by amalgamating data from various data lake sources and creating tree diagrams. The aggregator made the process straightforward and **reduced the data extraction time from 1-2 days to approximately 1 minute**.

IDfy

Full Stack Developer   July 2015 - April 2018

- Re-engineered the extraction and verification system from a monolithic design to a microservice architecture by creating different services for different processes. The redesign used **Kubernetes** for orchestration which made each **service scale independently and removed the bottlenecks**.
- Designed and developed a single sign-on application using Security Assertion Markup Language (**SAML**), which **increased the operation's team performance by 7%**.
- Built a task sync module implementing a publisher-subscriber pattern using **RabbitMQ**, which asynchronously syncs the tasks between various systems, thus **reducing the page latency from 1.4 seconds to 0.2 seconds**.

Kiprosh

Developer   June 2014 - July 2015

- Implemented an authorization module by providing read, write, and delete access on the database models. Cached these user permissions using **Redis** for faster response.
- Developed save to draft functionality by making **ajax calls** to the server and saving different versions of an email.

SKILLS

Programming Languages: Golang , Ruby , Python , Java , JavaScript
Frameworks: Ruby on Rails , Python Django , Angular - 5 , React , Android
Server-side Technologies: PostgreSQL , RabbitMQ , Redis , MySQL , SQLite
Client-side Technologies: HTML , CSS , JQuery , Bootstrap , Semantic UI , SCSS
Hosting: Amazon Web Services - AWS , Google Cloud Platform - GCP , Heroku
Containerization & Orchestration: - Docker & Kubernetes
Testing Frameworks: RSpec , Mocha-Chai
Version Control Tools: Git

EDUCATION

University of Dallas Texas - Erik Jonsson School of Engineering and Computer Science   Dallas, TX
Masters of Science in Software Engineering | GPA: **3.88/4.0**

University of Mumbai - Atharva College of Engineering   Mumbai, India
Bachelor of Engineering in Computer Engineering | 67.60%

Open Source Contributions & Achievements

Open Source Contributions: select_all-rails (Downloads: 57,108) ✦ lazy_loading_page (Downloads: 3,161) ✦ parallel
Achievements: **Won 2nd price in 21st Century Fox Hackathon** - 21CF Global Data Summit 2018