

Pranjay Sagar

1710 Blue Spruce Way, Milpitas, CA 95035

☎ (313) 652-5478 | ✉ pranjay.sagar01@gmail.com | 🌐 pranjay01 | in pranjay-sagar

Education

San Jose State University

MASTER OF SCIENCE IN SOFTWARE ENGINEERING

San Jose, CA

January 2020 - Present

Jai Narain Vyas University

BACHELOR OF ENGINEERING IN ELECTRONICS AND COMPUTER ENGINEERING

Rajasthan, India

August 2012 - June 2016

Skills

Languages	Java, JavaScript, Python, C++, C, JQuery, SQL, Shell Script
Frameworks	Spring Framework, Spring-AOP, Node.js, React, Redux, Restful Web Services, Express, HTML5, CSS, GraphQL, Flask
Database	MongoDB, Redis, PostgreSQL, MySQL, Hadoop, Hbase, Hive
Cloud	Amazon Web Services, Heroku
Tools	Visual Studio Code, Eclipse, MySql Workbench, GIT, MongoDB Atlas, JupyterLab, Jenkins, WinSCP, Putty, SonarQube, Docker
Others	Design Patterns, Data structures and algorithm, Kafka, PyTorch, TensorFlow, Keras, Pandas, CNN, Zookeeper, Detectron2

Experience

Teaching Associate

SAN JOSE STATE UNIVERSITY

- Teach Python to a class of undergraduate students
- Assist professor in organizing the learning environment, maintaining course materials, and grading assignments

San Jose, California

January 2021 - Present

Software Engineer

TATA CONSULTANCY SERVICES

- Worked as Full stack developer in an Agile Environment
- Developed scripts in Jenkins for continuous integration and deployment of application
- Designed complex HIVE queries(ETL) to facilitate automated data retrieval from HDFS
- Created Shell script to deploy and monitor distributed application utilizing Jenkins providing real-time application status
- Containerized application using docker to simplify deployment saving manual deployment time and minimizing server configurations

Odisha, India

February 2017 - December 2019

Projects

Currency Remittance

November 2020 - December 2020

APP TO FACILITATE INTERNATIONAL MONEY TRANSFER [🔗 LINK](#)

- **Technologies Used:** Java, Spring-Boot, Hibernate, React, Redux, MySQL(RDS), AWS, Heroku
- Utilized Spring-Boot and Hibernate frameworks along with java to map and manage SQL Database
- Created Scheduler Events in MySQL for managing expiry of transactions
- Front-end was coded using React to build modularized single page application

Online Job Portal

October 2020 - December 2020

GLASSDOOR-APP PROTOTYPE [🔗 LINK](#) (DEMO-YOUTUBE LINK)

- **Technologies Used:** React, Redux, Node.js, Enzyme, Apache Kafka, Passport.js, MochaJS, JMeter, MySQL, MongoDB, AWS, Redis
- Outlined System architecture and DB design, to distribute data amongst MySQL and MongoDB for enhancing performance
- Collaborated with a team of 5 to develop a distributed application that encompasses features of Glassdoor.com
- Implemented distributed API call using Apache Kafka with multiple partitions for High-availability and High-throughput system
- Streamlined response time for 10k concurrent users by collaborating AWS deployment with load balancer and Redis cache

Restaurant Food Service

September 2020 - November 2020

YELP-APP PROTOTYPE [🔗 LINK](#) (DEMO-YOUTUBE LINK)

- **Technologies Used:** React, Redux, Node.js, Apache Kafka, Passport.js, MochaJS, JMeter, MySQL, MongoDB, AWS
- Created a distributed application with major features of the Yelp website
- Enhanced application performance by integrating MongoDB connection pooling and Apache Kafka
- Deployed application using Amazon Web Services

BloodBank Management

March 2020 - May 2020

A CENTRALIZED APPLICATION TO MANAGE BLOOD BANKS IN A CITY [🔗 LINK](#)

- **Technologies Used:** React, Redux, Python, Flask, MySQL, JWT, AWS, Heroku
- Led team to design project architecture, ER diagram, and Schema Diagram
- Developed business-side API architecture using Python, Flask and secured the API transactions using JWT
- Designed SQL Queries and stored procedures to access and manipulate database

Rewards

• Star Performer of Month • Certificate of Appreciation • 41 rank in COCO-LVIS challenge 2020 • Won State level Coding Competition