# SAMKIT SHETH

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## EDUCATION

**San Jose State University, San Jose, USA** *August 2019 - May 2021*
Master in Science, Software Engineering

**C. U. Shah University, Surendranagar, India** *July 2014 - April 2018*
Bachelor of Technology, Computer Engineering

## TECHNICAL SKILLS

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|---|---|
| **Programming Languages** | Python, JavaScript, Java |
| **Web Frameworks/Technologies** | NodeJS, React-Redux, HTML5, CSS, Bootstrap, GraphQL |
| **Database** | MySQL, MongoDB, Redis |
| **Software Development Models** | Agile Development, Scrum and Kanban |
| **Tools/Others** | Git, Docker, JUnit, Mocha, Enzyme, Jmeter, AWS (EC2, S3, RDS, ELB, ECS, Beanstalk) |

## WORK EXPERIENCE

**Saral Information Technologies Pvt Ltd, Ahmedabad, India** *May 2018 - June 2019*
*Software Developer*

• Developed a trading platform for brokerage firms. Implemented REST APIs in Node.js for Radar(real-time price scanner), real time market movement and basket orders.
• Worked on developing an analytics dashboard to show clients and broker the performance of their stock based on various metrics. Utilized React and Recharts to develop interactive graphs.

## ACADEMIC PROJECTS

**Archive IT(http://bit.ly/ArchiveIT)** React-Redux, Django, Material-UI, Sql, Docker

• Built a storage solution web application that lets users store and retrieve data like google drive. Users can archive their uploaded data reducing their storage cost. Added support for organizations with access control. Dockerized the entire application with docker-compose.

**Zipcar Prototype(https://bit.ly/gitZipcar)** React, Redux Hooks, Node, Sql, Docker

• Contributed in development of a Zipcar like web application with all the primary functionality and admin dashboard using MERN stack. Tested the application using Jmeter, Chai, Mocha and Enzyme, dockerized the application and deployed it using AWS Elastic Beanstalk.

**Twitter Prototype** React-Redux, MongoDB, Node, Sql, Kafka

• Contributed in development of a distributed Twitter like web application with all the primary functionality using MERN stack, incorporated Apache Kafka for high availability and scalability. Deployed on AWS EC-2 with Loadbalancer.
• Developed an analytics dashboard to show users interactive graphs based on various metrics like Most liked tweets, most re-tweeted tweets, tweets per hour/day/month.

**Starbucks App Terminal Simulation** Java, JUnit

• Developed a terminal simulation of the Starbucks mobile app to depict the effective use of design pattern in Java such as Command, Chain of Responsibility, Observer, Decorator, Composite pattern, Strategy pattern.

**Distributed Datastore (https://bit.ly/Dataverse)** GRPC, Python

• Built a fast decentralized file storage system using gRPC to allow users to store and retrieve file streams with a configurable replication factor.
• Implemented the gRPC client side thick load balancing and deployed on AWS EC2.