

Akshat Shah

shahakshat609@gmail.com | [linkedin.com/in/akshat-shah](https://www.linkedin.com/in/akshat-shah) | <https://github.com/shahakshat609>

(650)215-0148 | San Jose, CA

EDUCATION

San Jose State University, CA

M.S. in Software Engineering CGPA: 3.9

Jan 2018 - Present

Mumbai University, India

B.E. in Computer Engineering CGPA: 3.4

Aug 2012 - May 2016

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, Golang, C, C++, Python.
- **Web Technologies and Frameworks:** Node.js, React, Redux, RESTful Web Services, HTML5, CSS3, Spring Boot, Express
- **Databases:** MySQL, MongoDB (NoSQL), Redis.
- **Cloud:** Amazon Web Services (AWS), IBM Bluemix, Google Cloud Platform (GCP), Heroku, Docker, Kubernetes
- **Tools, IDE, Servers:** Eclipse, IntelliJ, Visual Studio, JMeter, JIRA, Git, Bitbucket.
- **Other Technologies:** Apache Hadoop, Apache Kafka, Apache Zookeeper.
- **Certifications:** Oracle Certified Professional Java Programmer 6, Aug 2014.

PROFESSIONAL EXPERIENCE

Accenture Solutions Private Limited., India

Software Engineer

Aug 2016 - Nov 2017

- **SAP ABAP developer:** Developed in **SAP IS-U** environment and coded new functionalities like continuous meter reading, appointment scheduling, billing for utilities industry client.
- Understanding Client's business processes and testing the functionalities proposed by the client business.
- Involved in Unit Test, Smoke Test, Regression Test, User Acceptance Test and Performance Testing of modules of Client's business processes.
- Had the responsibility to assist Associate Manager to move the Test Data to Cloud using Amazon Web Services.
- **Received performer of the month twice for delivering assigned tasks on time.**

ACADEMIC PROJECTS

Movie Ticket Booking Site (Replica of [fandango.com](https://www.fandango.com))

Jan 2017 - Feb 2018

- **Technologies:** React, Redux, Elasticsearch, Node.js, Passport.js, Apache Kafka, MochaJS, JMeter, Redis, MongoDB, MySQL.
- Created a distributed application which encompassed all the features of [fandango.com](https://www.fandango.com) along with an analytics dashboard with a team of 5.
- Implemented Redis caching for Search feature, as a result server was able to respond to ~10k concurrent users within 1s.
- Developed a Kafka implementation with multiple partitions for fault tolerance and log indexing for analytics graphs

Crowdsourcing Marketplace (Replica of [freelancer.com](https://www.freelancer.com))

March 2018 - April 2018

- **Technologies:** React, Redux, Passport.js, Java, Spring Boot, Hibernate, JUnit, JMeter, MongoDB, MySQL.
- Developed an application having features like post project, bid on a particular project, hire freelancer and transaction between the parties.
- Implemented a feature of providing analysis of user behavior using log files and handling authentication using Passport.js.
- Designed own version of connection pooling which helped provide a significant performance increase of 10-12% for server response.

Partition Tolerance of Redis Database (Distributed Systems behaviour) [Youtube Link](#)

March 2018 - April 2018

- **Technologies:** AWS, Redis, Jepsen, Salticid.
- Connected five AWS EC2 Ubuntu instances with each other on a network with the help of Jepsen (One master, Four slaves).
- Installed Redis Database on master node and created an Amazon Machine Image (AMI) for installing on other four slave nodes.
- Developed a Data service API using Golang language which interacted with Redis Database cluster.
- The main purpose of this project is to test the partition tolerance of Redis Database while inserting data into Redis DB and demonstrating the impact after healing the partition.
- Created a Youtube video to demonstrate the whole setup and test results.

Cloud Scale SaaS Service (Cash App)

March 2018 - April 2018

- **Technologies:** AWS, Heroku, Redis, React.js, Node.js, MongoDB.
- Front end of Cash app was developed using React (javascript library) and deployed on Heroku and backend was developed using Node.js.
- Five team members had their own Redis cluster (five instances each) hosted on AWS which interacted with the data service API developed in Golang.
- Implemented functional split and sharding to this application for enhanced scalability.

Aug 2018 - September 2018

Instagaze (Mobile application)

- **React-Native mobile application** for dietary and nutrition value information for maintaining health.
- Includes functionalities like image capturing, analyzing the food dish based on image.
- Includes Dashboard with graphs for displaying workout and food intake calories.