

SOHAM KASAR

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EDUCATION

San Jose State University, *MS in Software Engineering* May 2023 (Expected)
Related courses: Data Structures Algorithms, Software Systems Engineering, Data Mining, Software Engineering Processes, Enterprise Application Development
University of Pune, India, *Bachelor of Engineering* May 2019

TECHNICAL SKILLS

Languages: Java, JavaScript, Ruby, Golang, C, C++, PHP, Python, HTML5, CSS3
Technologies: React JS, Node JS, JSP/Servlet, JDBC, Hibernate, AJAX
Databases: MySQL, Oracle, MongoDB
Tools: GIT, Jira, Maven, Eclipse, Postman, VSCode, Terraform, JMeter
Frameworks: Rails, Spring, REST, JUnit, J2EE
Servers: AWS, GCP, Apache Tomcat, Microsoft Azure

CERTIFICATIONS

- AWS Certified Developer – Associate Feb 2020
- JAVA SE8 Programmer 1 Nov 2019

WORK EXPERIENCE

Software Engineering Intern May 2022 - Aug 2022
Block/Square, San Francisco

- Automated the creation of custom destination inside the Customer Data Platform at Square to eliminate engineering work and improve turnaround time for stakeholders.
- Created APIs in a Ruby-on-Rails application and used Active Records for database migration using mySQL.
- Utilised Rspec to create test driven development which allowed to deploy to production with no QA team.
- Implemented logic in existing data dispatcher to accommodate the custom destination feature using Golang.

Senior Software Engineer Jul 2019 - Jul 2021
Capgemini, India

- Lead a team of 3 developers to create and manage Amazon Web Services (AWS) cloud computing platform for hosting insurance portal application using Terraform.
- Designed, created and maintained 7 AWS cloud infrastructures. Enhanced the terraform scripts to make the systems highly available using multiple availability zones.
- Employed IAM to create and control access for 15+ developers to AWS services and resources.

PROJECTS

Prototype of Stackoverflow Feb 2022

- Designed and developed an application which imitates the functionality of Stackoverflow by implementing the logic in Nodejs and RESTful web services and user interface developed in ReactJS.
- Deployed the backend to AWS in an Auto Scaled EC2 Cluster with Load Balancer configured along with redis cache which improved the performance by 30%.
- Improved concurrency and enabled multi-user transactions by publishing and consuming messages from kafka topics.

Prototype of Etsy Feb 2022

- Developed a RESTful application, using Node JS and React JS. Etsy is an e-commerce company focused on handmade or vintage items and craft supplies.
- Improved the application by using Redux for application state management and JWT token for authentication, which will improve the performance of application by 25%.

Hotel Booking Application Feb 2022

- Created a full-stack hotel booking application with features such as creating a booking, cancelling the reservation and customer loyalty program.
- Developed user interface in ReactJS and implemented application feature APIs in Java Spring-boot.

Carbon Score Dec 2021

- Developed carbon score prediction application using regression model to train the data-set and predicted the score by calculating auto regressive moving average.
- Created dashboard on the user interface with React JS and implemented data visualization using Plotly library.
- Deployed the full stack application in AWS EC2 and reduced dashboard rendering time on the user interface by caching the aggregated information for modeled data in Mongo DB Atlas.