Rohan Deepak Kapdi

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Education

San Jose State University Aug 24 – May 26
Master of Science in Computer Science San Jose, CA

University of Pune Aug 17 – Jun 21
Bachelor of Engineering in Computer Engineering Pune, India

Technical Skills

Languages and Frameworks: Java, SpringBoot, Spring Rest, React JS, Python, MySQL, MongoDB, HTML, CSS, JavaScript, MQ, Kafka, Microservices
Developer Tools: Git, AWS, Docker, Kubernetes, Jenkins, JIRA, Bitbucket, IntelliJ, Openshift, RedHat Linux, Postman, Swagger, Sonar
Libraries: Maven, Gradle, Apache Commons, Mockito

Experience

Digital Specialist Engineer Aug 21 – Aug 24
Infosys Pune, India

- Implemented a scalable and resilient Payment gateway and Payment Processor for a banking client, ensuring high code quality, coverage and adherence to best practices, ensuring 0% payment failure.
- Established MQ connectivity with downstream application through IBM MQ utilizing JMS reducing latency by over 30%.
- Formulated a cryptographic module to encrypt and decrypt the ISO message via HSM, that reduced program's cipher duration by 40%.
- Collaborated with software architects to scale up application's performance by more than 200% from 50 TPS to 250 TPS by optimizing code.
- Took proactive leadership in building CI/CD pipelines and creating docker images for the applications and also enhanced pipeline by 50% reducing the deployment time from 30 mins to 15 mins.

Projects

Zip Pay | Java, SpringBoot, REST API, MongoDB Jun 22 – Aug 22

- Created a multi-threaded and asynchronous backend application in Java and SpringBoot and integrated it with Stripe API to make payments and handle thousands of transactions.
- Integrated Twillio API to verify user via OTP and provide them alerts regarding payment which would result in a more than 50% decrease in inquiries about payment statuses.
- Utilized MongoDB to securely store payment related data and optimized DB operations by 40% through indexing and query optimization.
- Developed a streamlined React interface for secure card information entry, accomplishing a 40% reduction in user-reported errors.

Fake News Detector | Python, Django, Flask, TensorFlow Feb 21 – Apr 21

- Architected a web-scrapper module that will fetch data from related articles from various global news sources and Event Registry using python scrapper in azure.
- Engineered a backend system utilizing Python's NLTK for processing data, resulting in the capability to analyze 1000+ articles and dramatically improving accuracy.
- Worked with a team member to develop an algorithm for Stance Detection, which would return it's stance based on data returned after processing and achieved 91% accuracy.

Website to book Turf Playgrounds | Java, SpringBoot, Maven, Google Maps API May 19 – Jun 19

- Architected a scalable backend system for user registration and login using Java and SpringBoot, increasing system reliability and achieving a 99.9% uptime.
- Implemented Google Maps API connection for the website, allowing users to visualize routes to the playground and getting data of nearby turfs; this functionality improved user satisfaction scores by 40%.
- Incorporated Paypal API in order to handle large number of transactions and provide users with hassle-free payment options.