Sanket Suresh Shahane

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EDUCATION

California State University, Fullerton   May 2024
Master of Science, Computer Science
Courses: *Advanced Data Structure & Algorithms, Software Design & Architecture, Web Backend Engineering, Advance Database Management*

Sunbeam Institute of Technology, Pune, India   February 2019
Post Graduate Diploma in Advance Computing (PG-DAC)

Savitribai Phule Pune University, Pune, India   May 2018
Bachelor of Engineering (B.E.) in Electronics and Telecommunication Engineering

PROFESSIONAL EXPERIENCE

Cybage Software Pvt. Ltd.   *Pune, India*
Software Engineer   March 2019 **-** June 2022

Functioned as full-stack developer with Cybage's e-commerce scrum team, responsible for enhancing product capabilities, facilitate streamlining entire commerce process from opportunity to order.

- Built a **Java** based e-commerce application utilizing **Spring Boot** powered microservice architecture, optimizing performance, fault tolerance, and scalability
- Designed application's user interface leveraging **Angular**'s captivating component-based architecture, incorporating two-way data binding to elevate modularity and reusability
- Identified and resolved performance bottlenecks within e-commerce application, leading to an impressive 20% reduction in response time. Implemented a **Redis** cache layer, improving overall user experience
- Improved notification service using **Kafka**'s publish-subscribe messaging, cutting message processing time by 40% and enabling effortless system scalability, applied problem-solving expertise in boosting system efficiency
- Deployed application on **AWS** adopting **Jenkins**, **Docker**, and **Kubernetes**, executed CI/CD workflows, facilitated rapid scalability, and achieved an 99.9% application availability
- Spearheaded independent optimization of complex SQL scripts using **PL/SQL**, attained a remarkable decrease in response time from 20 seconds to just 8 seconds
- Executed comprehensive test cases using **Junit/Mockito**, **Jasmine,** and integrated SonarQube for code quality, accomplished 90% code coverage, resulting in a 30% reduction in system bugs and revamped software quality, ensuring a stable and reliable application
- Lead proactive management of intricate **Git** merge conflicts within team, ensuring seamless code integration, and exemplifying strong problem-solving skills in software development

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, TypeScript, Kotlin, Python, PHP, C#, C++, PL/SQL, HTML, CSS
- **Frameworks & Libraries:** Spring Framework, Spring Cloud, Django, JPA, Angular, Next.js, Express.js, React.js, Node.js, jQuery, Flask
- **Databases:** MySQL, PostgreSQL, Oracle, MongoDB, Cassandra, SQLite
- **Tools & Services:** Git, AWS Services, Azure Services, Android Studio, JDBC, Jenkins, Docker, Kubernetes, Maven, Swagger, Kafka, RabbitMQ, Redis, REST, SOAP, Postman, Apollo GraphQL

PROJECTS

Online Vehicle Ordering Platform   *Spring Boot, Angular, Elastic Search, PostgreSQL, Jenkins, Azure*

- Developed a robust and scalable online vehicle ordering platform using Spring Boot, Angular, and PostgreSQL, streamlining vehicle purchasing process for customers and dealers, followed agile practices throughout its implementation
- Led development of advanced search and filtering functionalities, seamlessly integrated Elastic Search to enable users to easily find desired vehicles based on various criteria such as make, model, price range, and features with 100% accuracy

Pocket Watch   *React.js, Python, Flask, GraphQL, MongoDB, Amazon S3*

- Initiated and led development of a user-friendly web application for seamless expense tracking and note keeping, applying react.js for front-end development, employed flask framework for creating RESTful APIs
- Guided software development processes from requirement gathering through design, implementation, and debugging. Led development of automated test environments and oversaw deployments using a range of tools and technologies
- Retrieved application data leveraging GraphQL, empowering users to request precise data fields and resulting in more efficient network utilization and faster application performance

Covid Impact Analysis on Restaurants in USA   *Java, Spark, Hadoop, AWS EMR, AWS S3, Tableau*

- Initiated and conducted an extensive analysis of a large dataset, evaluating pre and post-COVID-19 statistics by analyzing customer reviews to assess pandemic's impact on restaurant industry. Processed over 3.5 million reviews in just 1 minute and 35 seconds
- Employed an AWS EMR cluster as a distributed system (1 master, 3 slave nodes) to efficiently process analysis data, result stored on AWS S3. Transformed results into an engaging visual narrative taking advantage of Tableau for comprehensive insights