Vidya Sagar Himansu

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Technical Skills

Languages: Java, C/C++, Python, SQL (Postgres), JavaScript, HTML/CSS
Frameworks: React.js, Redux, Java Spring Boot
DevOps Tools: AWS (EC2, Lambda, RDS, S3, IAM, CloudFormation), Docker, Kubernetes, Jenkins, CI/CD pipelines
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Other Tools: Apache Kafka, Apache Airflow, RESTful APIs, GraphQL, Microservices, JUnit, Mockito, WebSockets

Experience

Software Engineer Sept 2021 – Nov 2024
Societe Generale *Pune, Maharashtra*

Frontend Development:

- Developed and maintained React-based frontend applications, increasing user satisfaction by 25%.
- Built high-performance web applications using **React, Redux, and RESTful APIs** for seamless UI/UX.

Backend Development:

- Architected and led development of a microservices-based platform using Spring Boot and AWS, ensuring 99.99% uptime for 1M+ monthly active users.
- Spearheaded migration from monolithic architecture to AWS cloud-native services, reducing infrastructure costs by 35% and enhancing scalability.
- Designed a real-time analytics dashboard with React & WebSockets, enabling <100ms latency monitoring for stakeholders.
- Implemented **OAuth** 2.0 & JWT authentication, enhancing security and compliance with GDPR & CCPA.
- Optimized database performance using Redis caching & indexing, improving API response times by 60%.
- Developed a **GraphQL** API gateway to streamline data retrieval, reducing over-fetching by 50%.
- Led the adoption of **Kubernetes** for container orchestration, achieving zero-downtime deployments.
- Integrated Apache Kafka for real-time event streaming, enhancing system responsiveness and data processing capabilities.

Projects

Trade Flow Monitoring System:

- Developed high-traffic **React & Spring Boot applications** for real-time trade tracking.
- Automated deployments with Jenkins & AWS CI/CD, ensuring frequent and reliable releases.
- Ensured robust code quality with JUnit & Mockito testing frameworks.
- Integrated Apache Kafka for real-time trade data processing, improving event-driven communication between services.
- Built a stream processing pipeline using Kafka Streams, enabling real-time analytics and anomaly detection in trade data.

Trade Flow Downstream Processing:

- Designed and developed **Java Spring Boot microservices** for high-volume trade processing with **AWS** Lambda & RDS.
- Migrated legacy systems to AWS cloud-native solutions, improving scalability and cutting costs by 35%.
- Built RESTful APIs & a GraphQL gateway, reducing API over-fetching by 50%.
- Developed a Kafka-based event-driven system to handle trade lifecycle events efficiently, reducing processing delays by 40%.
- Resolved production issues efficiently, maintaining 99.99% uptime.

Achievements

- **Improved Application Performance**: Achieved a 20% improvement in application speed and a 30% reduction in error rates through performance optimization.
- **Cost Savings** Reduced deployment lead time by 60%, saving significant operational costs.
- **User Satisfaction**: Increased user satisfaction scores by 25% through enhanced frontend development.
- **Enhanced Data Processing**: Implemented Kafka-based stream processing, improving real-time trade insights and reducing system lag.

Education

Army Institute Of Technology Pune, Maharashtra
Bachelor of Engineering(Information Technology)