

Vidya Sagar Himansu

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TECHNICAL SKILLS

Languages: Java, Python, SQL (PostgreSQL), JavaScript, HTML/CSS

Frameworks: Spring Boot, Spring Cloud (Eureka, Config, Gateway), Spring Data, zipkins, Spring Security, React

Microservices & Integration: Microservices Architecture, RESTful API Design, Service Discovery, Load Balancing

Cloud & DevOps: AWS, Docker, Kubernetes, Jenkins, CI/CD pipelines

Testing & Tools: JUnit, Mockito, Git, VS Code, IntelliJ, Eclipse

Other Tools: Agile Development, Continuous Integration & Deployment

EXPERIENCE

Software Engineer

Societe Generale

Sept 2021 – Nov 2024

Pune, Maharashtra

API-Driven Backend for Financial Platforms:

- Developed a comprehensive **API** gateway system that facilitated seamless, secure communication between services.
- Integrated service discovery mechanisms to improve system robustness and provide automatic failover capabilities.
- Implemented centralized configuration management to enable dynamic updates and simplified maintenance.
- Developed robust **RESTful APIs** that seamlessly integrated backend services with a React-based frontend, resulting in a fluid and unified user interface.
- **Containerization** and orchestration initiatives using **Docker** and Kubernetes, achieving zero-downtime deployments and enhanced scalability.
- Implemented centralized configuration management to enable dynamic updates and simplified maintenance.

System Re-Architecture & Optimization Initiative:

- Re-architected core functionalities into modular **microservices**, leveraging **Spring** Cloud to manage service interactions and configurations.
- Enhanced security and data integrity using Spring Security and Spring Data integrations.
- Optimized deployment processes, reducing release times by 60% and operational costs significantly. Optimized deployment processes, reducing release times by 60% and operational costs significantly.
- Optimized database queries and implemented indexing strategies, reducing query execution time by 30%.
- Utilized Entity Framework for database management, ensuring efficient data access and manipulation.
- Troubleshoot and resolved production issues, ensuring minimal downtime and maintaining high system availability.

PROJECTS

JIRA VirusTotal Scanner Service

- Designed and developed a **Spring Boot** microservice to automate **virus scanning** of attachments in JIRA issues.
- Implemented webhook listener to receive real-time updates from JIRA when issues are updated with attachments.
- Webhook Integration: Developed a controller to listen to JIRA webhook events and extract file metadata.
- Virus Scanning: Integrated with VirusTotal to scan attachments and determine malicious content.
- Attachment Management: Automated deletion of malicious files from JIRA issues after virus detection.
- Reactive Architecture: Used **Spring WebFlux** for asynchronous file downloading, scanning, and deletion using reactive streams (Mono).
- Configuration Management: Externalized configurations such as API keys and URLs using application.yml and @ConfigurationProperties.

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.

EDUCATION

Army Institute Of Technology

Bachelor of Engineering(Information Technology)

Pune, Maharashtra