Venkatesh Kurva

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SUMMARY

Java Backend Developer with nearly 4 years of experience designing and building scalable microservices using **Java, Spring Boot, and Kafka**. Skilled in **Redis caching, multithreading, and JWT-based security**. Proficient in CI/CD with **Azure DevOps**, database management using **PostgreSQL/MySQL**, and testing with **JUnit/Mockito**. Experienced in implementing **Angular basics** for front-end integration. Focused on delivering high-performance, secure, and resilient applications.

SKILLS

Backend: Java, Spring Boot, Spring Cloud, Microservices, REST APIs
Frontend: Angular (Basics)
Messaging: Apache Kafka
Caching: Redis
Database: PostgreSQL, MongoDB, MySQL, JPA/Hibernate
DevOps: Azure DevOps (CI/CD)
Cloud: AWS (Basics)
Testing: JUnit, Mockito, SonarQube
Build: Maven/Gradle
Version Control: Git (branching strategies, PR reviews)

EXPERIENCE

Capgemini Apr 2022 – Present
Senior Software Development Engineer Hyderabad, India

Darden (Enterprise Restaurant Management Application)

– Modernized a legacy application to enhance usability and scalability by adopting a **microservices architecture**.
– Delivered features using **Agile methodology** with iterative sprints and continuous feedback loops.
– Designed and developed APIs using **Java, Spring Boot, Spring Cloud** for FOH and BOH modules.
– Applied **Spring Cloud Gateway** for routing and load balancing through a single ingress point.
– Implemented **Eureka Server** for dynamic service registry and inter-service communication.
– Integrated **Kafka** for asynchronous communication between microservices.
– Enforced **JWT-based authentication and authorization** with RBAC for secure API access.
– Executed custom **SQL** queries and leveraged **Redis** for distributed caching to optimize performance.
– Applied mappers to convert DTOs to entity objects and vice versa for clean architecture.
– Used patterns such as **Singleton**, **Factory**, **Strategy**, **Decorator**, **Observer**, **Builder**, and **Adapter** for maintainable code.
– Implemented **Executor Framework** and `CompletableFuture` for concurrent task execution, improving throughput.
– Developed unit and integration tests using **JUnit, Mockito**; enforced quality via **SonarQube**.
– Configured pipelines in **Azure DevOps** for build, test, and deployment; managed version control with Git.
– Leveraged centralized logging, global exception handling, and used **Swagger** for API documentation and **Postman** for testing.
– Applied **RestTemplate** and **Feign Client** for synchronous calls between microservices.

GitHub Migration & End-User Support

– **Repository Migrations:** Migrated **10K+** repositories across GitHub environments to enable advanced features and improved security; automated repetitive tasks using scripts.
– **User Support:** Resolved **500+ ServiceNow** tickets (access, permissions, repository issues), ensuring a seamless developer experience.
– **Copilot Management:** Administered GitHub Copilot licenses and access through the Tech Hub portal in line with organizational policy.

CERTIFICATIONS

AWS Certified Cloud Practitioner (CLF-C01)

EDUCATION

JNTUH College of Engineering, Manthani   Aug 2017 – May 2021
Bachelor of Technology in Computer Science   CGPA: **6.1**