SUMANTH GOLLAPROLU

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EDUCATION

FLORIDA ATLANTIC UNIVERSITY |Boca Raton, Florida   Jan/2023 - May/2024
MASTERS of Science in Computer Science GPA: 3.8

SKILLS

- **Programming** : Java 8, HTML, CSS, JavaScript, Node.js, Groovy, YAML, Data Structures, and Algorithms
- **Frameworks and Databases** : Spring Boot, Kafka, Maven, Gradle, React.js, MySQL, PostgreSQL, MongoDB
- **Cloud Technologies & platforms** : AWS DevOps, Docker, Git, GitHub, Visual Studio, Jenkins, Ansible

EXPERIENCE

Florida Atlantic University |**Graduate Teaching Assistant** | Boca Raton, FL   Aug/2023 - May/2024
- Designed and implemented supplemental learning materials, including coding exercises, resulting in a 30% improvement in student comprehension of complex Object-Oriented Programming concepts
- Managed lab sessions and conducted instructional hours, effectively supporting over 45 students per semester

Cognizant | Software Associate | Hyderabad ,India   Jun/2021 – Dec/2022
- Actively participated in Agile development processes, including daily stand-ups and sprint planning, contributing to continuous product improvements
- Designed fault-tolerant microservices by integrating retry logic, timeouts and bulkhead patterns, improving service reliability in unstable network conditions.
- Utilized Spring Cloud components such as Config Server and Eureka Discovery Server to manage centralized configuration and service registration for microservices.
- Deployed microservices to AWS using Kubernetes, automated CI/CD pipelines with Jenkins, and monitored services with Prometheus and Grafana
- Integrated NoSQL databases like MongoDB to support large-scale data storage, enabling faster data access and flexible schema design for high-performance applications.
- Leveraged Apache Kafka for asynchronous communication between microservices, reducing service latency by 25 percent.
- Documented and maintained API specifications using Swagger/OpenAPI, and created detailed architecture diagrams, ensuring clarity and ease of use for the development team

Cognizant | Programmer Analyst | Hyderabad , India   Sep/2019 – Jun/2021
- Engineered robust, scalable back-end systems using microservices architecture, driving a 32% improvement in application performance.
- Designed and implemented secure API endpoints in Spring Boot with Spring Security and JWT encryption, enhancing data protection and reducing unauthorized access by 36% while ensuring reliable data transactions
- Developed unit tests using JUnit and Mockito, achieving 90% code coverage and ensuring component reliability.
- Leveraged AWS S3 service for efficient data management and implemented S3 Bucket policies to enhance security.
- Optimized database interactions using Spring Data JPA and implemented Spring's default caching, improving data access speed by 35 percent..

PROJECTS

Microservices-Banking-System|https://github.com/SumanthRam07/Banking-MicroService-Architecture.git
- Developed a Banking System replica using a microservices architecture with Spring Boot, managing user details, account operations, fund transfers, and transactions
- implemented JWT-based security authentication, used SQL for database operations, and deployed using AWS cloud

Flight-Connector-Microservice|https://github.com/SumanthRam07/flight-connector-microservice.git
- Developed a microservices-based Airport Flight Connection Builder application, implementing business logic to find and connect flight routes between cities using Spring Boot
- Utilized Docker for containerization and implemented load balancing with Docker Swarm architecture to enhance scalability and resource management.

CERTIFICATIONS & AFFILIATION

AWS Certified | Cloud Practitioner |https://github.com/SumanthRam07/Certifications   Sep/2024
CodePath |Advanced Technical prep |https://github.com/SumanthRam07/Certifications   Aug/2024
Learnovation Academy |https://github.com/SumanthRam07/Certifications   Jun/2024