Murali R S

Java Backend Developer
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PROFILE SUMMARY

Java Backend Developer with 3+ years of experience in developing microservices and RESTful APIs using Spring Boot, Hibernate, and MySQL. Skilled in API integration, database management, and cloud deployment using AWS.

SKILLS

- **LANGUAGES & BACKEND:** Core Java, Java 8+, Spring Boot, Spring MVC, Hibernate, JPA, REST APIs, Exception Handling
- **OBJECT-ORIENTED DESIGN:** OOPS, Design Patterns, Dependency Injection
- **ADVANCED JAVA FEATURES:** Streams, Optionals, Functional Interfaces, Lambda Expressions, StringTokenizer, StringBuilder, StringBuffer, HashMap
- **CLOUD & TOOLS:** Git, GitHub Actions, Redis, AWS (EC2, S3, RDS, Elastic Beanstalk, CloudWatch)
- **WEB & API DEVELOPMENT:** Spring Security, JWT, Postman, API integration
- **DATABASE & TOOLS:** MySQL, MySQL Workbench, ModelMapper, IntelliJ IDEA

WORK EXPERIENCE

ESTREL AI PVT LTD | Associate Consultant | Bangalore

December 2024 – February 2025

- Developed POCs using Spring Batch, Factory, and Saga design patterns.
- Created POC for Redis-based caching mechanism to assess its impact on API latency and database performance.

E2 INFOSYSTEMS PVT LTD | Java Developer | Chennai

September 2023 – February 2024

- Developed backend microservices using Spring Boot.
- Handled exception flows and service-layer modularization.
- Integrated Spring Data JPA with MySQL for fast and efficient queries.

ZENSAR TECHNOLOGIES LTD | Java Backend Developer | Bangalore

February 2021 – August 2023

- Developed REST APIs and migrated modules from Spring MVC to Spring Boot.
- Integrated JWT-based authentication using Spring Security.

EDUCATION

VISVESVARAYA TECHNOLOGICAL UNIVERSITY | Bachelor of Engineering
Vidya Vikas Institute of Engineering and Technology, Mysore

PROJECTS

CATIE | Programmer

October 2023-February 2024

TECHNOLOGIES Java 8 | Spring Boot | Exception Handling | Microservices etc
- Refactored a monolithic application to a microservice architecture, resulting in 5% performance improvement.
- Improved performance and maintainability using service-based architecture and exception handling.

PROPERTYPRO | Backend Developer

July 2022-August 2023

TECHNOLOGIES Core Java | Java 8 | Spring Boot | Hibernate | Spring Data JPA| RESTful| Validations | Spring Security | JWT | Exception Handling | Mapper Libraries | Amazon AWS etc
- Migrated from Spring MVC to Spring Boot RESTful services, improving response time by 15%.
- Implemented secure user authentication with Spring Security and JWT.

MEDMANAGE | PROGRAMMER

TECHNOLOGIES CORE JAVA | JAVA 8 | SPRING BOOT | HIBERNATE | RESTFUL ETC

- Automated healthcare workflows, minimizing administrative overhead by 10% through medication tracking application.
- Utilized Hibernate to model patient-medication relationships.
- Added validations and used REST APIs to expose backend services securely.

CERTIFICATIONS

- Earned basic Java certification from HackerRank.
- Achieved basic SQL certification from HackerRank.

WORK RESPONSIBILITIES

- Designed and developed **microservices** architecture using **Spring Boot** and **Hibernate** for efficient database management.
- Collaborated on API solutions aligning with business requirements.
- Applied **OOPS** principles for efficient, modular code design.
- Managed **Spring MVC** controller for efficient request processing.
- Implemented **Hibernate** for optimized data access and **Spring Data JPA** for repository management.
- Leveraged **Java 8** features for enhanced performance **(Streams, Optional, Functional Interfaces, Lambda Expressions).**
- Enhanced **MySQL** database management for improved performance and security.
- Streamlined **dependency management** resolving conflicts.
- Employed **Model Mapper** for efficient data object conversion.
- Implemented **pagination** and **sorting** to optimize performance.
- Ensured data integrity and security through input **validation**.
- Developed strict user **authentication** and registration processes.
- Strengthened **API security** with robust **authentication** and **authorization**.
- Implemented **Spring Security** and **JWT** for API authentication.
- Managed **exceptions** and errors using appropriate **HTTP** response codes.
- Demonstrated expertise in exceptions for smooth application execution.
- Deployed applications on **Amazon AWS** configuring **Elastic BeanStalk**, **S3** and **RDS** services.
- Foundation knowledge of **Spring Batch** for data processing, Factory Pattern, Saga Pattern, and working with PostgreSQL and AWS for backend enhancements.
- Stayed updated with emerging API development technologies.