CHANDU RAPARTHI

Backend Java Developer (2+ Years)

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SUMMARY

Java Backend Developer with nearly 3 years of experience working on enterprise backend applications using Java and Spring Boot. Hands-on experience in developing RESTful APIs, implementing authentication and authorisation using Spring Security and JWT, and working with relational databases using Hibernate/JPA. Hands-on exposure to microservices-based systems and modern backend development practices, with strong problem-solving and collaboration skills.

TECHNICAL SKILLS

Backend & Frameworks
Java, Spring Boot, Spring Framework, Spring Security, Spring AOP, Hibernate, Spring Data JPA, Spring JDBC, Servlets/JSP, RESTful APIs, JWT, SLF4J, JUnit 5, Mockito, Maven

Microservices & Cloud
Spring Cloud (Gateway, Config, Eureka), Resilience4j (basic), Apache Kafka (basic), OpenFeign, Load Balancer

Databases and Data Management
 SQL, MySQL, PostgreSQL

Tools
Git, GitHub, GitLab, SonarQube, Postman, Swagger/OpenAPI, JIRA, Docker, Jenkins

WORK EXPERIENCE

JUNIOR JAVA DEVELOPER
CYBROWSE DIGITAL SOLUTIONS PRIVATE LIMITED, Hyderabad
January 2023 – Present

- Contribute to backend development using Java and Spring Boot, following a clean, layered architecture.
- Develop and maintain RESTful APIs with request validation, exception handling, and structured responses.
- Work on backend modules within microservices-based systems under senior developer guidance.
- Assist in implementing authentication and authorisation using Spring Security, JWT, and RBAC.
- Work with Hibernate/JPA for database interactions with MySQL and PostgreSQL.
- Support fault-tolerance mechanisms such as retries and circuit breakers using Resilience4j.
- Assist in integrating Apache Kafka for event-based communication.
- Implement global exception handling, custom error responses, and data validation for consistent and user-friendly API behaviour.
- Write unit tests using JUnit and Mockito for service-layer logic.
- Use Swagger and Postman for API documentation and testing.
- Manage code versions with Git and GitHub, actively participate in Agile/Scrum sprints, and contribute to peer code reviews and retrospectives.
- Assist in analysing functional requirements and converting them into backend API implementations.
- Work with configuration management using application properties and environment-based profiles.
- Participate in debugging and fixing production and UAT issues under guidance from senior developers.
- Follow secure coding practices and internal development standards during feature implementation.
- Collaborate with QA teams to support testing, bug fixes, and release readiness.
- Assist in containerising backend applications using Docker to ensure consistent development and testing environments.
- Work with Docker images and containers for running Spring Boot applications during local development and testing.
- Support CI/CD activities using Jenkins by triggering builds, monitoring pipeline execution, and verifying build results.
- Assist in resolving basic build and deployment issues by analysing Jenkins logs under senior guidance.

PROJECTS

S-100 Hydrographic Data Exchange and Management System
December 2024 – Present
Description: Working on a secure backend platform for managing and packaging S-100 hydrographic exchange sets in compliance with IHO standards.

Key Contribution
- Contributed to backend API development using Spring Boot 3 and Java 17.
- Implemented JWT-based authentication and authorization using Spring Security to secure exchange set operations.
- Implemented digital signature functionality (SHA256withRSA) using Bouncy Castle for datasets and complete exchange sets under senior guidance.
- Developed S-100 compliant XML generation using Jackson XML and supported XML structure validation.
- Contributed to exchange set packaging using Java Util Zip to generate distribution-ready archives.
- Implemented audit logging and centralized error handling to improve traceability and debugging.
- Wrote unit and integration tests using JUnit 5 and Mockito.
- Assisted in validating input datasets and handling error scenarios during exchange set creation.
- Supported refactoring and code clean-up activities to improve readability and maintainability.
- Collaborated with team members to test changes across multiple scenarios and datasets.

Environment: Java 17, Spring Boot 3, Spring Security, JWT, Bouncy Castle, Jackson XML, PostgreSQL, Docker, Git.

CTCP – Trade Finance Digital Workflow Platform (MCA System)
August 2023 – November 2024
Description: Worked on a backend-driven Trade Finance platform implementing a Maker–Checker–Authorizer (MCA) workflow to digitally manage sensitive banking operations such as Letters of Credit (LC) and Bank Guarantees, ensuring secure processing, traceability, and compliance.

Key Contribution
- Contributed to designing and implementing a Maker–Checker–Authorizer (MCA) workflow using Spring Boot and Java 17, supporting multi-level authorization for trade finance transactions such as Letters of Credit (LC) and Bank Guarantees.
- Assisted in building a secure authentication and authorization layer using Spring Security and JWT, implementing Role-Based Access Control (RBAC) to differentiate access and actions for Corporate Makers, Checkers, and Bank Authorizers.
- Worked on implementing a forensic audit trail mechanism, capturing transaction lifecycle state changes (e.g., *SUBMITTED → CHECKED → APPROVED*) along with timestamps, user details, and remarks to support compliance and traceability requirements.
- Supported development of a Credit Limit Management module, validating available versus utilized limits during transaction initiation to prevent over-utilization.
- Followed a clean layered architecture (Controller–Service–Repository) and used Spring Data JPA/Hibernate with MySQL to manage entities such as Users, Roles, Organizations, and Trade Transactions.
- Assisted in digitizing trade finance workflows by converting manual, paper-based processes into status-driven, API-based workflows, enabling real-time transaction tracking.
- Contributed to REST API documentation using Swagger/OpenAPI and performed API testing using Postman to ensure consistency and correctness.
- Wrote unit tests using JUnit 5 and Mockito for service-layer components to validate business logic and improve code reliability.
- Collaborated in an Agile/Scrum environment, participating in sprint planning, daily stand-ups, bug fixing, and peer code reviews under senior developer guidance.
- Gained exposure to banking and trade finance domain concepts through real-time project work.

Environment: Java 17, Spring Boot, Hibernate (JPA), Spring Security, REST APIs, MySQL, JUnit, Mockito, Swagger/OpenAPI, Maven, Git.

EDUCATION

Bachelor of Science in Computer Science, | 2022
Krishna University, Kanumolu, Andhra Pradesh