Aditi Chauhan

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Software Engineer

Highly skilled and experienced Java Developer with a proven track record of engineering robust, high-performance applications across diverse industries. Expertise in full-stack development using Spring Boot, Spring MVC, and Hibernate, with a strong focus on optimizing database performance and implementing RESTful APIs. Adept at leading the migration of legacy systems to modern microservices architecture, leveraging Docker and Spring Cloud for enhanced scalability and reliability. A proactive problem-solver with a passion for clean code, best practices, and Agile methodologies, consistently delivering quality software solutions in fast-paced environments.

WORK EXPERIENCE

Webearn Solution Private Ltd • Noida, India   08/2020 - 08/2024
Software Developer

- Developed and maintained full-stack Java applications using Spring Boot, Spring MVC, and Hibernate frameworks, ensuring high performance and scalability.
- Implemented RESTful APIs for seamless integration with front-end applications and third-party services, leveraging Spring Boot and Swagger/OpenAPI for documentation and testing.
- Optimized database queries and enhanced performance by implementing JPA and Hibernate for ORM, working with SQL, Oracle, PostgreSQL, and MongoDB.
- Led the migration of legacy systems to Microservices Architecture, utilizing Spring Cloud and Docker for containerization, resulting in improved system reliability and scalability.
- Collaborated with cross-functional teams using Agile/Scrum methodologies to deliver software solutions on time, ensuring continuous integration and delivery with Git/Github, Jenkins, and Maven/Gradle.
- Conducted unit and integration testing using JUnit and Mockito, achieving a 20% reduction in bug reports post-deployment.
- Participated in code reviews and contributed to improving coding standards within the team, fostering a culture of continuous improvement.
- Provided support and troubleshooting for production issues, ensuring minimal downtime and quick resolution of user-reported bugs.

Unique Associates • Delhi, India   07/2018 - 08/2020
Java Developer

- Led the development and maintenance of core Java-based applications, collaborating closely with cross-functional teams to deliver high-quality software solutions.
- Demonstrated proficiency in writing and optimizing complex SQL queries for MySQL, enhancing database performance and data retrieval efficiency.
- Engineered RESTful APIs using Spring Boot, facilitating seamless communication between the back-end and front-end components of the application.
- Spearheaded the integration of third-party APIs, ensuring robust and efficient handling of external services within the application.
- Conducted code reviews, providing constructive feedback and ensuring adherence to coding standards and best practices within the team.
- Executed comprehensive unit and integration testing using JUnit, contributing to a significant reduction in post-deployment defects.
- Managed source code and version control using Git, implementing branching and merging strategies to maintain codebase integrity.
- Played a key role in migrating legacy systems to modern frameworks, demonstrating strong problem-solving skills and adaptability.
- Actively participated in Agile processes, leading sprint planning sessions and contributing to the successful delivery of project milestones.

SKILLS

Core Java: Object-Oriented Programming, Inheritance, Polymorphism, Encapsulation, Abstraction, Collections Framework, Exception Handling, Multithreading and Concurrency, Java 8, Generics, Reflection API

Languages: Java, HTML, CSS, JavaScript, SQL

Platforms: J2EE

Frameworks: Hibernate, Spring Framework, Spring Boot, Spring MVC, Spring ORM, Spring Data JPA

Databases and persistence: SQL, Oracle, PostgreSQL, MongoDB, JDBC

Web technologies: Servlets, JSPs, XML, JSON, RESTful APIs

Developer IDEs: Eclipse, Spring Tool Suite (STS), IntelliJ

Tools: Git/Github, Maven/Gradle, Apache Kafka, Swagger/OpenAPI, Postman, JUnit, Mockito

Other skills: Microservices Architecture, API Development and Integration, Agile/Scrum methodologies

Soft skills: Problem-Solving, Communication, Team Collaboration, Time Management, Adaptability, Attention to Detail, Critical Thinking

EDUCATION

Bachelors Of Technology in Electrical Engineering

G.B. Pant Engineering College • Uttarakhand • GPA: 83% (Distinction)   05/2013 - 07/2017

PROJECTS

Scorpio NGSI-LD Broker

- Scorpio is a JSON-compliant context broker implementing the full NGSI-LD API, as specified by the ETSI Industry Specification Group on Context Information Management (ETSI ISG CIM). The NGSI-LD API facilitates the management, access, and discovery of context information, enabling applications to request and manipulate data related to entities (such as buildings) and their properties (like address and geographic location). It also supports the creation, update, deletion, and querying of context information, with features including geographic scoping, filtering, paging, and asynchronous notifications.
- Developed new endpoints to meet specific product requirements, enhancing the functionality and capability of the Scorpio broker.
- Wrote comprehensive test cases to ensure the reliability and correctness of the NGSI-LD API implementation, contributing to high-quality software delivery.
- Debugged production issues, quickly resolving incidents to minimize downtime and maintain seamless service operation.

Car Rental System

- Developed a comprehensive Car Rental System using Java, Spring Boot, and MySQL. The application features user registration, car listing, rental booking, and payment processing.
- Implemented RESTful APIs for seamless frontend-backend communication and utilized JPA for efficient data handling.
- Ensured high code quality with unit and integration testing
- Deployed the application using Docker for containerization.

AWARDS & SCHOLARSHIPS

University Merit Scholarships

G.B. Pant Engineering College, Pauri, Uttarakhand