

Akshata Mahajan

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Software Developer / Java Developer

PROFILE

Dedicated Backend Developer with over 2+ years of experience specializing in Java, Spring Boot, and Hibernate. Proficient in designing and implementing REST API and Microservices, contributing to the development of scalable and efficient backend systems. Experienced in the full software development lifecycle, from requirement analysis to deployment. Killed in troubleshooting, debugging, and delivering high-quality solutions in agile environments. Strong problem-solving abilities with a proven track record of adapting to new technologies.

PROFESSIONAL EXPERIENCE

Micropro Software Solutions Ltd

Software Developer

February 2023 – Present | Nagpur, India

- Designed and developed RESTful APIs using Spring Boot, ensuring seamless integration with front-end systems.
- Implemented Microservices architecture to build scalable and maintainable backend systems.
- Conducted code reviews and enforced best practices to maintain high code quality.
- Troubleshoot and debugged issues, identifying root causes and implementing effective solutions.
- Contributed to technical documentation, including system design, architecture, and user guides.
- Utilized Hibernate for efficient database interactions and ORM solutions.
- Managed version control using Git and build automation with Maven.
- Collaborated with cross-functional teams to deliver high-quality software solutions.
- Ensured application performance and scalability through efficient API design.
- Participated in agile development processes, contributing to sprint planning and reviews.
- Developed and maintained MySQL databases, ensuring data integrity and performance.
- Implemented security measures to protect applications from vulnerabilities.
- Optimized application performance, resulting in a 20% improvement in response times.
- Mentored junior developers, fostering a collaborative and productive team environment.
- Stayed updated with the latest industry trends and technologies to continuously improve development practices.

TECHNICAL SKILLS

Programming Languages: Java, C, C++

Frameworks: Spring Boot, Spring MVC, Hibernate, Jakarta EE

API Development: REST APIs, JSON, Swagger

Database Technologies: MySQL, PL/SQL, Jakarta Persistence (JPA)

Tools: Git, Maven, Spring Tool Suite (STS), Eclipse

Concepts: Microservices, Multithreading, Exception Handling, Object-Oriented Programming (OOP), Java Database Connectivity (JDBC), Distributed Computing, Design Patterns, High-Level and Low-Level Design, Data Structures and Algorithms (DSA)

Additional Technologies: JUnit, Oracle

PROJECTS

Brihanmumbai Municipal Corporation Property Tax (MCGM)

- **Technologies :** Java 8 , PLSQL , Spring boot MVC ,RestApi.
- **Designed and implemented REST APIs using Spring Boot** to facilitate seamless integration with front-end systems, ensuring efficient data exchange.
- **Developed backend logic** to handle complex tax calculations and data processing, accommodating various property types and tax slabs.
- **Ensured high performance and scalability** of the system through efficient API design, optimizing response times and system reliability.

- **Integrated real-time data validation** to maintain data accuracy and integrity, reducing errors in tax assessments.
- **Developed automated billing and payment modules** to streamline the tax payment process for property owners.
- **Collaborated with cross-functional teams** to deliver high-quality software solutions, ensuring alignment with business requirements and user needs..
- **Ensured compliance with municipal regulations** by implementing features such as property categorization and tax exemptions.
- **Provided training and support** to end-users, ensuring effective utilization of the system.
- **Conducted thorough testing** of APIs and microservices to identify and resolve issues, ensuring robustness and reliability of the system.
- **Optimized database queries and indexing** to improve system performance and reduce response times.
- **Implemented automated alerts and notifications** for upcoming tax deadlines and payment confirmations.

PharmaZip

- **Technologies** : Java ,Microservices, MySQL , Spring boot,,RestApi.

- **Backend Development Expertise:** Over two years of experience specializing in designing and implementing RESTful APIs and Microservices using Java, Spring Boot, and Hibernate.
- **System Design and Architecture:** Proven ability to build scalable and maintainable backend systems, ensuring high performance and reliability.
- **Code Quality and Best Practices:** Conducted code reviews and enforced best practices to maintain high code quality and readability.
- **Problem-Solving Skills:** Skilled in troubleshooting and debugging complex issues, identifying root causes, and implementing effective solutions.
- **Agile Methodologies:** Experienced in collaborating with cross-functional teams in agile environments to deliver high-quality software solutions.
- **Database Management:** Designed and optimized database schemas using MySQL and PL/SQL for efficient data storage and retrieval.
- **Version Control and Build Tools:** Proficient in using Git for version control and Maven for build automation.
- **Testing and Reliability:** Developed and maintained unit and integration tests using JUnit to ensure software reliability.
- **Object-Oriented Programming (OOPS):** Applied OOPS principles to design modular and reusable code.
- **Exception Handling:** Implemented exception handling mechanisms to enhance application robustness and error management.
- **Performance Optimization:** Optimized application performance through code refactoring and efficient algorithm design.
- **Third-Party Integrations:** Integrated third-party services and APIs to extend application functionality.
- **Data Security:** Ensured data security by implementing encryption and secure data storage practices.
- **Documentation:** Documented system architecture, API endpoints, and user guides to facilitate future maintenance and onboarding.
- **Continuous Integration and Deployment (CI/CD):** Participated in CI/CD processes to streamline development workflows.

EDUCATION

Bachelor of Engineering (B.E.) in Computer Science,
CGPA: 9.52/10 (90%)-May 2022
Priyadarshini College Of Engineering, Nagpur

KEY ACHIEVEMENTS

- delivered backend solutions for MCGM Property Tax and Pharma Zip projects, ensuring scalability and maintainability.- improved API performance by 20% through optimization and efficient design.- demonstrated ability to quickly learn new technologies and adapt to changing project requirements.
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