PRASHANT YADAV

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SUMMARY

I am Software Engineer with a strong command of Java and Spring Boot, specializing in designing and developing scalable, high-availability backend systems. proficient in architecting RESTful APIs, optimizing database performance, and building distributed applications ready for cloud environments. Passionate about solving complex engineering challenges and contributing to large-scale systems that impact millions of users.

EDUCATION

GLA University Mathura   Expected: June 2027
Bachelor of Technology in Computer Science and Engineering(GPA: 7.31 / 10.0)
- Relevant Coursework: Software Engineering Principles, Cloud Computing, Data Structures and Algorithms (Java), Artificial Intelligence (Python), Web Development (JavaScript),Machine Learning.

EXPERIENCE

Nexgen Techs   Feb 2025 – May 2025
Java Intern (Remote)
- Developed user-friendly interfaces using Angular, improving customer satisfaction scores by 18%.
- Implemented automated unit testing using Jest, increasing code coverage by 30% and reducing production bugs.
- Collaborated in Agile sprints with cross-functional teams to deliver features on time and improve workflows.

Digant-Technologies   May 2025 – August 2025
Summer Intern (Remote)
- Contributed to the development of the 'User Profile' module by writing clean and efficient code in Java and Spring Boot under the guidance of senior developers
- Assisted in developing REST API endpoints for the payments module, gaining practical experience with API design and Postman testing.
- Identified and fixed over 10 minor bugs in the existing codebase, which helped improve overall application stability

PROJECTS

Real-time Chat Application
Technologies:Java, Spring Boot, Spring WebSocket, STOMP, Maven, MySQL, HTML/CSS/JavaScript.
- Designed a real-time messaging platform, achieving 99.5% uptime and supporting over 10,000 concurrent users.
- Built a secure authentication system using JWT and Flask, enhancing data privacy.
- Reduced message delivery latency by 35% with optimised WebSocket connections.
- Designed an optimized database schema with proper indexing to ensure fast and efficient retrieval of chat history for thousands of users.

Bus Reservation System
Technologies: - Java, Spring Boot, Spring Data JPA, Hibernate, MySQL/PostgreSQL, RESTful APIs, MAVEN. HTML,Css,JS
- Developed an automated daily script to process booking and search data, enabling the generation of analytics reports to identify popular routes and peak travel hours.
- Reduced message delivery latency by 30% with optimised WebSocket connections.
- Deployed RESTful APIs for integrating third-party payment services, improving system flexibility.
- Implemented a robust security layer using Spring Security and JWT (JSON Web Tokens) to secure all RESTful API endpoints and protect sensitive user data.

Inventory Management System
Technologies: - Java, Spring Boot, Spring Data JPA, Hibernate, MySQL/PostgreSQL, RESTful APIs, MAVEN. HTML,Css,JS
- Designed and developed an inventory management system to track stock levels, sales, and deliveries, reducing manual data entry by 80%
- Developed RESTful APIs for CRUD operations on products and orders, enabling seamless integration with external Point-of-Sale (POS) systems.
- Integrated a reporting module to generate daily and weekly sales reports, providing key business insights for inventory forecasting.
- Implemented batch processing for bulk product imports, reducing data upload time by 60% for large datasets.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java, C,HTML,CSS,JAVA(DSA).
Frameworks and Tools: Java, Spring Boot, Spring Data JPA, Hibernate, MySQL/PostgreSQL, RESTful APIs, MAVEN. Java spring security.
Concepts: Micro-services Architecture, RESTful APIs, CI/CD, Machine Learning, Agile Development

CERTIFICATIONS

- Microsoft Certified: Azure AI Fundamentals (AI-900) - Microsoft
- Microsoft Azure Data Fundamentals (DP-900) - Microsoft
- Microsoft Azure Data Scientist Associate(DP-100) - Microsoft
- Oracle Cloud Infrastructure 2025 Certified Data Science Professional - Oracle
- Introduction to cyber security - Cisco
- Problem Solving (Basic) - HackerRank
- JAVA (basic) - HackerRank