

# SUDEEP YADAV

## JAVA BACKEND DEVELOPER

### CONTACT

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### TECHNICAL SKILLS

- Core Java/Java SE
- J2EE
- Servlets
- JSP (JavaServer Pages)
- JSTL (JavaServer Pages Standard Tag Library)
- JDBC (Java Database Connectivity)
- Spring Framework (Core, IoC, DI, AOP)
- Spring Boot (REST APIs, Microservices)
- Spring Security & JWT (Authentication, Authorization)
- Spring Validation
- Microservices Architecture
- RESTful API Development
- Hibernate / JPA
- MySQL
- JUnit Testing
- Postman (API Testing)
- Swagger (API Documentation)
- API Integration
- Apache Kafka
- Git & GitHub (Version Control)
- Jenkins (CI/CD Pipelines)
- Docker
- AWS (EC2, S3, RDS, etc.)
- Agile Methodology (Scrum/Kanban)
- JIRA (Project Management)
- Pagination & Sorting (API Level)

### PROFILE SUMMARY

- Java Backend Developer with **3.1 year** of experience in designing, developing, and deploying scalable, secure, and high-performance web applications. Proficient in **Java, Spring Boot, Hibernate/JPA, RESTful API development, and Microservices architecture**. Skilled in implementing **JWT-based authentication, input validation**, and robust exception handling for reliable backend services. Experienced in cloud deployment on **AWS, containerization with Docker**, orchestration with **Kubernetes, and CI/CD pipelines using Jenkins and Maven**. Strong understanding of **Agile (Scrum) methodology**, working with distributed teams, and **integrating third-party services like payment gateways, email/SMS notifications, and PDF generation**. Adept at optimizing database performance with **MySQL** and ensuring modular, reusable, and maintainable backend code.

### WORK EXPERIENCE

#### Java Backend Developer | Current Employee:- Satva Solutions

#### Technical Abilities:-

- Programming Languages:-** Strong command over Core Java, Java 8 (OOPs, Collections, Streams, Lambda, Optional) for clean and maintainable code.
- Spring Framework & Spring Boot:-** Expertise in Spring MVC, Spring Data JPA, Spring Security, JWT, and RESTful API development for scalable and secure backend services.
- ORM & Databases:-** Hands-on with Hibernate/JPA and MySQL for efficient data management.
- Exception Handling & Validation:-** Robust exception strategies and Spring Validation for accurate and reliable backend processing.
- Microservices & Architecture:-** Experience with microservices and monolithic architecture, implementing modular and reusable backend components.
- CI/CD & DevOps:-** Git/GitHub for version control, Jenkins for automated pipelines, Maven for build and dependency management, Docker, and AWS deployment.
- Testing & Quality Assurance:-** Unit testing with JUnit and API testing with Postman for reliable backend functionality.
- Messaging & Streaming:-** Apache Kafka for real-time data processing and event-driven backend workflows.
- Third-Party Integrations:-** Payment gateways, email/SMS services, and PDF generation integrated at backend services.
- Agile & Team Collaboration:-** Scrum/Agile methodology, coordinating effectively with distributed teams and managing defect lifecycle.

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## EDUCATION

DR. A.P.J. ABDUL KALAM  
TECHNICAL UNIVERSITY

- Bachelor of Technology
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## TOOLS & TECHNOLOGIES

- Proficient in **version control and collaboration tools** including **Git and GitHub**. Experienced with build and automation tools such as **Maven, Jenkins, Docker, and CI/CD pipelines**. Skilled in cloud platforms and deployment using **AWS (EC2, S3, RDS)** and **Tomcat servers**. Comfortable with IDEs and editors including **IntelliJ IDEA, Eclipse, and VS Code**. Hands-on experience with **testing and debugging tools** like **JUnit, Mockito, Postman, and Swagger**. Familiar with other relevant technologies including **Microservices Architecture** and **Spring Cloud** for developing scalable and high-performing backend applications.
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## SOFT SKILLS

- Problem Solving & Analytical Thinking
  - Team Collaboration & Communication
  - Agile & Scrum Methodology
  - Time Management & Task Prioritization
  - Adaptability & Continuous Learning
  - Attention to Detail & Quality Focus
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## PERSONAL DETAILS

- **Name:-** Sudeep Yadav
- **Date of Birth:-** 19-Nov-2000
- **Home Town:-** Sultanpur(UP)
- **Languages known:-** Hindi,English

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## PROJECT EXPERIENCE :-

Doctor Appointment Booking Application | Java Backend Developer

**Technologies:-** Java, Spring Boot, Hibernate, MySQL, AWS, Jenkins, JWT, REST APIs

### Project Overview:

- A scalable and secure Doctor Appointment Booking System designed to streamline appointment scheduling, patient management, and doctor availability tracking. The backend is built using Java, Spring Boot, and Hibernate, providing RESTful APIs for seamless communication between clients (web/mobile) and server. The application ensures role-based access control using Spring Security & JWT and delivers real-time updates via Apache Kafka. Integrated third-party services include payment gateways, email/SMS notifications, and PDF generation for appointment receipts. The system is deployed on AWS with CI/CD pipelines configured through Jenkins and ensures high performance, reliability, and maintainability.
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## TASK & ROLES DESCRIPTION

### Roles:-

- **AuthService:-**
  - Implemented JWT-based authentication and role-based access control for patients and doctors, ensuring secure API access.
- **AppointmentService:-**
  - Managed patient profiles, medical records, and appointment history with optimized CRUD operations.
- **DoctorService:-**
  - Handled doctor profiles, availability schedules, and specialization details via REST APIs.
- **BookingService:-**
  - Developed appointment scheduling, rescheduling, and cancellation workflows with real-time availability checks.
- **NotificationService:-**
  - Integrated email and SMS notifications for booking confirmations, reminders, and cancellations.
- **Controller & API Layer:-**
  - Designed RESTful controllers with proper HTTP status handling and exception management.
- **Database & Performance:-**
  - Optimized MySQL queries and database operations for high-performance backend services.
- **Deployment & DevOps:-**
  - Deployed microservices on AWS cloud, configured CI/CD pipelines using Jenkins, ensuring scalable and reliable production environment.
- **Additional Achievements:-**
  - Collaborated in an Agile environment, performed code reviews, implemented unit and integration tests using JUnit, and maintained API documentation for seamless team collaboration.