

# Paras Jain

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## Introduction

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Results-driven Java Developer and DevOps Engineer with expertise in designing scalable backend systems, microservices architecture, and automated CI/CD pipelines. Proficient in Java, Spring framework, RESTful APIs, SQL, Docker, Kubernetes, and continuous integration/continuous deployment. Demonstrated success in developing enterprise-level applications with hands-on experience in cloud technologies, containerization, and infrastructure automation. Known for rapid technology adoption and delivering high-performance, scalable solutions that enhance system reliability and user experience.

## Education

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**Bachelor of Technology (B.Tech) in Computer Science and Engineering** July 2021 – June 2025

- Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore, Madhya Pradesh
- CGPA: 8.85/10.0

**Senior Secondary Education (Class XII) – CBSE Board** April 2020 – April 2021

- Shri Devi Ahilya Shishu Vihar, Indore, Madhya Pradesh
- Percentage: 89.80%

**Secondary Education (Class X) – CBSE Board** April 2018 – April 2019

- Shri Devi Ahilya Shishu Vihar, Indore, Madhya Pradesh
- Percentage: 82.00%

## Experience

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**Associate Software Engineer**, WebKorps Services – Indore, MP July 2025 – Present

*Project: Best Western Hotels*

- Architected and developed comprehensive Folio Management module using Spring Boot framework, implementing single-room and multi-room booking/cancellation workflows with real-time transaction tracking, reducing checkout processing time by 40% and enhancing guest billing accuracy.
- Redesigned invoice generation system using Thymeleaf templating engine and integrated external API endpoints for seamless data migration from legacy design to modernized folio interface, improving invoice processing efficiency by 50% and ensuring consistent guest billing experience.
- Engineered corporate booking module with automated business logic for enterprise client management, implemented Property Management System (PMS) integration, and deployed complete cloud infrastructure with Docker containerization and Jenkins CI/CD pipeline, achieving 99.9% system uptime and zero-downtime deployments.
- **Tech stack:** Spring Boot, Thymeleaf, Docker, Jenkins, and Terraform

**Software Developer Intern**, HotWax System – Indore, MP Jan 2025 – April 2025

*Project: Better Building Hardware*

- Developed and deployed enterprise-level Shopping List and Item Management modules using Apache OFBiz framework, implementing business logic for inventory operations and workflow automation that reduced manual processing time by 50%.
- Resolved critical database performance bottlenecks and SQL query optimization issues, improving data retrieval efficiency by 35% and maintaining data integrity across 10,000+ product catalog records.
- Integrated Apache Solr enterprise search engine with MySQL database to deliver advanced full-text search capabilities, achieving 40% faster search response times and enhanced product discovery functionality.
- **Tech stack:** Apache OFBiz, Java, Groovy, MySQL and Apache Solr

## Projects

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### FriendBook - Clone of Instagram

- Architected and developed full-stack social networking application with secure user authentication, profile management, image posting, real-time notifications, and social engagement features including likes, comments, and friend request workflows using Spring Boot and Spring Security with JWT-based authorization.
- Engineered scalable backend RESTful APIs and implemented dynamic feed algorithms with follow/unfollow functionality, real-time search capabilities, and asynchronous Ajax-based updates, improving application response time by 45% and enhancing user engagement.
- Deployed containerized microservices architecture using Docker and Docker Compose, orchestrated multi-container deployments with Kubernetes cluster configuration, and automated CI/CD pipeline with Jenkins for continuous integration and zero-downtime

releases.

- **Tech Stack:** Java, Spring Boot, Spring Security, REST API, Thymeleaf, MySQL, Docker, Jenkins, Ajax, HTML, CSS & JS

### **TaxGenie - Streamlined Tax Analysis and Savings Platform**

- Developed intelligent tax calculation engine with automated ITR form classification module using Spring Boot framework, implementing business logic to analyze financial data and generate personalized tax-saving recommendations based on income tax regulations and deduction eligibility.
- Achieved 95% filing accuracy improvement through comprehensive unit testing and validation, engineered dynamic form rendering with Thymeleaf templating, and implemented guided user workflows with Spring Security authentication to ensure data privacy and secure tax document handling.
- Containerized application using Docker with multi-stage builds and Docker Compose for local development environment, enabling portable deployment and simplified dependency management across development teams.
- **Tech Stack:** Java, Spring Boot, Thymeleaf, MySQL, HTML5, CSS3, Maven, & Docker

### **Skills**

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- **Languages:** Java, C++ , C
- **Framework and Technologies:** Spring Boot, Spring Security, Spring MVC, Hibernate, Microservices Architecture, RESTful APIs, Thymeleaf, JUnit, Mockito, Apache OFBiz
- **Database Technology and Search Platform:** MySQL, PostgreSQL, Apache Solr
- **DevOps & CI/CD:** Docker, Kubernetes, Jenkins, Git, GitHub, CI/CD Pipelines, Ansible, Terraform, Linux/Unix
- **Tools & Methodologies:** IntelliJ IDEA, Eclipse, Postman, JIRA, Agile/Scrum, Object-Oriented Programming (OOP), Test-Driven Development (TDD), Code Debugging & Performance Optimization

### **Certifications and Achievements**

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- **Java Enterprise Edition (J2EE) Certification** – Universal Informatics, Indore
- **Advanced Java Programming Certification (Core & Advanced)** – Universal Informatics, Indore
- **C/C++ and Object-Oriented Programming Certification** – Universal Informatics, Indore
- **Design and Analysis of Algorithms Certification** – NPTEL (IIT/IISc Initiative)
- **Database Management System (DBMS) Certification** – NPTEL (IIT/IISc Initiative)
- **Cloud Computing with AWS Certification** – Ardent Computech
- **Top 1.8% Performer** – Ranked 18th Among 1,100+ Students on GeeksforGeeks Practice Portal
- **HackerRank Certified 4-Star SQL Programmer** – Advanced SQL Problem-Solving Proficiency