



Pawan Panwar

Software Engineer

Computer Science & Engineering
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EDUCATION

- **Bachelors of Technology (CSE)**

2021-25

CPI: 7.55

GLA University, Mathura, U.P

- **Intermediate**

2020-21

Kendriya Vidyalaya No.1 AFS Hindon, U.P

87.5%

EXPERIENCE

- **Capgemini (Analyst/Software Engineer)**

January, 2025-Present

- Developed and deployed scalable **microservices**-based enterprise solutions using **Spring Boot**, **Spring Security**, and **Spring Cloud** for high availability.
- Integrated **JWT authentication**, role-based access control, and system logging to improve application security, maintainability, and scalability.
- Implemented **SMTP** e-mail notifications for password resets enhancing user experience and demonstrating expertise in secure **system integration**.
- Conducted unit testing with **J-Unit** and enforced continuous code-quality using **SonarQube** successfully passing all quality-gates.
- Documented and maintained **RESTful APIs** using **Postman**, collaborating through **Git workflows** for efficient frontend-backend integration.

PERSONAL PROJECTS

- **E-Commerce Microservices Platform**

- **Tech-Stack:** Java, Spring Boot, **Spring Data JPA**, MySQL, React, Material-UI, **Axios**, React Router, Netflix Eureka, **OpenFeign**, JWT, SMTP, JUnit, Mockito, SonarQube.
- **Description:** Developed a scalable full-stack e-commerce platform using Spring Boot microservices architecture and React frontend, enabling secure product browsing, shopping, and order processing with high maintainability, test coverage, and code quality ensured via SonarQube.
- **Key Features:** Designed and implemented six independent microservices with secure authentication, product management, shopping cart, and order processing. Developed responsive frontend using React, Material-UI, Axios, and React Router, integrated with backend via REST APIs. Ensured high code quality and reliability through unit testing with **JUnit/Mockito** and continuous code analysis with SonarQube.

- **Budget Planner**

- **Tech-Stack:** React.js, **Vite**, JavaScript, Modular CSS, Chart.js, **OAuth**, PWA, Service Worker, Git & **Vercel**.
- **Description:** Developed a modern web-based personal finance application enabling users to track expenses, visualize data, and manage budgets securely with offline support and responsive design. Focused on performance, **user experience**, and **maintainable code**.
- **Key Features:** Implemented secure OAuth-based authentication with social login and robust error handling using error boundaries. Created **custom Vite/Webpack** configuration for optimized bundling, **reducing package size by 30%** and improving load times efficiently, and **PWA** capabilities with offline support via service workers.

- **TECHNICAL SKILLS & INTERESTS**

- **Programming Languages:** Java, JavaScript (ES6), TypeScript, SQL, OOPs.
- **Frameworks & Libraries:** Spring Boot, Spring Security, Spring Cloud (API Gateway, Eureka Server), Node.js, Express.js, Angular, jQuery.
- **Databases:** MySQL, MS SQL Server.
- **Testing & Quality:** JUnit, Mockito, SonarQube, Swagger API Documentation.
- **Tools & Platforms:** Git, VS Code, JavaDocs, SMTP Email Service, Power BI.
- **Core-Competencies:** RESTful API Development, Layered-Architecture, Dependency Injection, DTOs, JWT Authentication, Role-Based Access Control, Responsive Frontend Development, Chatbot Integration.
- **Relevant Coursework:** Data Structures & Algorithms, Object Oriented Programming, Database Management System, SDLC.
- **Soft Skills:** Issue-Resolution, Self-learning, Presentation, Flexibility, Team-Management.

ACHIEVEMENTS

- Hacker-Rank: 3-star badge in Java and SQL.

- Gen AI Agents by Google Cloud.
- AI-900 Microsoft Certification.
- Certified by University of Minnesota in Agile Software Development.