# PAWAN SHARMA

✉ pawansharma.csecit@gmail.com

📱 +91-7000095127, 7415781251

💻 https://github.com/pawansharma-csecit

🔗 https://www.linkedin.com/in/pawan-sharma-csecit/

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## Professional Summary:

- Over **8+ years** of IT experience in all phases of Software Development Life Cycle and Maintenance of web-based applications on open-source technologies **using Java, Spring Boot, Spring Cloud, Spring MVC, Micro-Service, Monolithic, hibernate, MySQL, MongoDB, Kafka, Redis, React JS, Redux, RTK, Micro-frontend & Docker, Kubernetes, GCP cloud**.
- Good Knowledge of, Development tools such as **IntelliJ, Eclipse, Postman, JIRA, Sonar, Jenkins, GIT, SNYK, Maven, Gradle, Lombok, Argo-CD and Spinnaker**.
- Good knowledge of **creating dashboards, checking service logs, and Secret Manager, Pub-Sub, BQ in GCP.**
- Good knowledge and understanding of Agile/SCRUM methodology, OOPs, SOLID, Design Principle & Data Base Concepts.
- Certified - **Generative AI Leader Certification**, **Professional Cloud Developer Certification**, **Associate Cloud Engineer Certification, Microservice Architect, MongoDB SI Associate, Scaled Agile-SAFE 5 Practitioner**
- Rich domain knowledge of Retail Domain, E-Commerce, Telecommunication Domain, Payment Processing Domain, Education, Travel, HealthCare (SCM), Banking & Finance.
- Expertise in Object-Oriented Analysis, Design/Development Methodologies using Java Core Design Patterns.
- Proficient in modern AI tools (ChatGPT, Gemini code assist, Claude) - quick to adopt new tech-stack.
- Assist in the enforcement of coding standards and best practices.
- Ability to handle a team of developers and coordinate smooth project delivery.

## Work Experience:

- Presently working as **I.T. Analyst** with **Tata Consultancy Services (TCS)** since **Jan 2022 to till Date.**
- Worked as **Senior Consultant** with **Profinch Solutions Pvt Ltd** since **Sep 2020 to Jan 2022.**
- Worked as a **Software Engineer** with **Nenosystems Consulting Services (NCS^) Pvt Ltd since Jan 2017 to Jul 2020.**

## Technical Skills:

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|---|---|
| Language | Java 21, JavaScript (ES6+), SQL |
| Web Styling & Scripting | HTML5, CSS3, JavaScript, jQuery, JSP, JSTL, Thymeleaf, Bootstrap, Material UI |
| Framework & Libraries | Spring Boot, Spring MVC, Spring Data JPA, Spring Security, Spring AI, React.js, Redux Toolkit (RTK) |
| Messaging Platform & Caching | Apache Kafka, RabbitMQ, Redis, Caffeine |
| Database | MySQL, Postgres, MongoDB |
| Build & Frontend Tooling | Maven, Gradle, Webpack, NPM, ES-Lint |
| Code Converge & Security Tool | Snyk, Sonar Qube |
| Version Control | Git, SVN (Sub Version) |
| Cloud Platform & Services | GCP, GCP Secret Manager, Workload Identity, Big Query (BQ), Pub/Sub, Cloud SQL |
| API Documentation & Testing | Swagger/Open API, Postman, Junit 5.X, Mockito |
| DevOps & CI/CD | Docker, Kubernetes, Jenkins, GitHub Actions, Argo CD. |
| Web Services/API Communication | REST, SOAP, Google Remote Procedure Call |
| IDE & Tools | IntelliJ IDEA, VS-Code, DBeaver, Robo 3T, Notepad++ |
| Operating System/Platform | Windows, Linux, Mac, Android |

## Educational Profile:

- Master of Engineering (**M.E.**) in Electronics and Communication Engineering (**ECE**) from Institute of Engineering & Science, IPS Academy, Indore (M.P.), affiliated with RGPV Bhopal in 2016, securing 8.48 CGPA (**84.8%**).
- Bachelor of Engineering (**B.E.**) in Electronics and Communication Engineering (**ECE**) from Sardar Patel Institute of Technology & Management, Mandleshwar (M.P.), affiliated with RGPV Bhopal in 2014, with 8.16 CGPA (**81.6%**)**.**
- Higher Secondary (**12th**) from Shri Kanwartara Public Higher Secondary School, Mandleshwar (M.P.), CBSE Board, in 2010.
- High School (**10th**) from Shri Kanwartara Public Higher Secondary School, Mandleshwar (M.P.), CBSE Board, in 2008.

## Training & Certification:

- **Generative AI Leader Certification** – *Google*, issued **Sep 2025**.
- **Microservice Architect Certification**– *Edureka*, issued **Jun 2025.**
- **Professional Cloud Developer (PCD) Certification** – *Google*, issued **Feb 2025**.
- **Associate Cloud Engineer Certification**– *Google*, issued **Nov 2024**.
- **MongoDB SI Associate Certification** – *MongoDB University,* issued **Aug 2022**.
- **Scaled Agile (SAFe 5) Practitioner Certification** – *Scaled Agile Inc.*, issued **Apr 2022**.
- **SAFe For Teams Course (5.1) Certification** – *Scaled Agile Inc.*, issued **Apr 2022**.

## Project Experience:

**Tata Consultancy Services (TCS)**

### Project #1: Contact Center Experience (CCX)
**Client:** Macy's Systems and Technology, Inc
**Domain:** Retail
**Tools Used (Tickets, Version Control):** JIRA, Service Now and People Track, GitHub Actions, Argo CD
**Environment:** Java 21, REST, SOAP, Spring Boot, GCP, Azure, Swagger, Micro-services, Spring Boot, Docker, MySQL, MongoDB, React.js, Redux Toolkit, Micro-frontend, Redis, Vertex AI, Apache Kafka, WebSocket.
**Description:** Macy's is an American chain of high-end department stores, an iconic brand and retail industry leader. We are working on contact center experience service. As a part of the project, we are developing aggregation layer (hosted on GCP cloud) instead of on-premise application, which will be calling the existing backend services, also we are migrating MSAL to MSAE Functionality with UI Integration.
**Responsibilities:**

- Analyzing the business requirements with PO and provide technical solution for same
- Involve in writing code, code review, estimation, wire mock and functional Testcases.

### Project #2: Abuse Mitigation (Return Common Services)
**Client:** Macy's Systems and Technology, Inc
**Domain:** Retail
**Environment:** Java 21, REST, SOAP, Spring Boot, GCP, Swagger, Micro service, Spring Boot, Docker, MySQL, MongoDB, React.js, Redux, RTK, Material UI, Webpack, Maven, Jenkins, Gitlab, Argo Cd, GCP Big Query.
**Description:** Macy's is an American chain of high-end department stores, an iconic brand and retail industry leader. We are working on return common service. Purpose if this service to analyze as OINR, Missing Items & other type also to block false claim request and help to prevent unwarranted refunds. Also, Claim Admin UI interface to provide a better user experience regarding the report dashboard, charts for analysis of claims trend, decline claims trends, recent claims, monitoring dashboard and claims percentage by issue type, SSO for secure access. Additionally, contributed to email automation workflows leveraging Genesys, Google Cloud Platform (GCP), Big-Query, and MongoDB for intelligent communication and data-driven insights.
**Responsibilities:**

- Analyzing the business requirements with PO and provide technical solution for same
- Involve in writing code, JUnit, bug fixes, code review, estimation, wire mock and functional testcase.

**Profinch Solution**

## Project #3: FinFlowz Digitization Hub

**Domain:** Banking, Financial Services, and Insurance (BFSI)
**Project Management Tools:** JIRA
**Version Control Tools:** Gitlab
**Environment:** Java 11, Spring Boot, Microservices, RabbitMQ, IBM MQ, Firebase, SQL Server, Docker, Oracle, BPMN, Eureka Server, Bootstrap, Angular.
**Description:** FinFlowz Digitization Hub is a flagship digital transformation product by Profinch Solutions, designed to automate and digitize banking operations such as payments, service requests, customer communications, and statement processing. As part of the FinFlowz product suite, I worked on developing a multi-tenant Notification Delivery System, responsible for managing and delivering multi-channel notifications including Email, SMS, Push, SFTP, and OBDX Inbox alerts. Also, I contributed to building Angular-based dashboards for monitoring notification events, delivery logs, and message queues, enhancing the user experience for operations teams.
**Responsibilities:**
- Analyzing Designed and developed a multi-tenant notification microservice handling alerts and statements across multiple banking clients.
- Implemented Firebase Cloud Messaging (FCM) for push notifications and built email/SMS/SFTP delivery modules.
- Develop the code based on the requirement from the business with proper coding standard, code coverage and unit test cases.

## Project #4: Mashreq Bank

**Domain:** Banking, Financial Services, and Insurance (BFSI)
**Project Management Tools:** JIRA
**Version Control Tools:** Gitlab, Bitbucket
**Environment:** Java 11, REST, SOAP, Spring Boot, GCP, Swagger, Micro service, Spring Boot, WebLogic Server, Oracle, PostgreSQL, Oracle JET, OBDX.
**Description:** Mashreq Bank is a leading financial institution focusing on delivering modern, digital-first banking solutions. The project involves implementation and enhancement of OBDX (Oracle Banking Digital Experience) functionalities across key banking modules — CASA (Current and Savings Accounts), Loans, and Retail Banking. I worked on enhancing these modules to improve customer experience, streamline backend processing, and integrate advanced reporting capabilities. A major part of the work focuses on the Statement and Report Generation module, XML/SOAP web services and REST APIs
**Responsibilities:**
- Involved in statement and report generation development for account and loan modules.
- Developing RESTful APIs for digital banking transactions and real-time statement retrieval.
- Building automated PDF and CSV report generation pipelines for regulatory and customer needs.

## Project #5: Witty Bank

**Domain:** Banking, Financial Services, and Insurance (BFSI)
**Project Management Tools:** JIRA,
**Version Control Tools:** Gitlab, SVN
**Environment:** Java, Core Java, EJB2.x, REST, Oracle12c, BPMN, Microservice, Spring Boot, Spring Boot, GCP, FTL, Swagger, Spring Boot, MySQL, Hibernate, Spring Framework, JDBC Template.
**Description:** Witty Bank is a next-generation digital banking platform focused on providing seamless payment and transaction experiences. I worked on Core Banking Proxy Layer (CBP). The Core Banking Proxy Layer acts as a secure middleware between Payment Microservices, Core Banking Systems, and External Payment Schemes, ensuring smooth transaction orchestration, validation, and routing. The proxy layer standardizes communication across multiple banking channels, manages workflow-driven payment approvals using Camunda, and provides dynamic reporting through Free Marker templates.
**Responsibilities:**
- Created **FTL** (Free-Marker) templates for real-time transaction summaries, audit reports, and dashboards
- Collaborated with cross-functional teams to ensure compliance with frameworks and service-level standards.

**Nenosystems Consulting Services (NCS^)**

**Project #6: Special New Born Care Unit (SNCU)**
**Client:** United Nations Children's Fund (UNICEF)
**Domain:** Health Care & SCM
**Tools Used (Tickets, Version Control):** JIRA, Gitlab
**Environment:** Java, Spring Framework, Spring MVC, Hibernate, JSP, Servlet, JDBC, MySQL, AngularJS, Jasper Report.
**Description:** SNCU (Special New Born Care Unit) project is the joint venture of UNICEF and Health Ministry of India Government to protect Newborn Babies by providing specialized care after birth and till the neonate period, especially to reduce the mortality of sick neonates. As part of the core development team, we worked on developed major modules such as Admission, Discharge, Follow-Ups, HR Management, and Equipment Tracking. Implemented Hibernate Second Level Caching for optimized data access and performance improvement.
**Responsibilities:**
- Designed and implemented secure IAM module for user authentication, authorization, and role-based data access.
- Developed interactive screens for Admission & Dashboard modules with responsive UI and validation logic.
- Involved in the KT session to the new resources about functionality and high-level architecture.

**Project #7: Telecom Infrastructure Management Systems (TIMS)**
**Client:** GTL Infra Ltd
**Domain:** Telecom & Infrastructure Monitoring
**Environment:** Java, Spring Framework, Struts framework, Spring MVC, Hibernate3.x, JSP, JavaScript, JSTL, Thymeleaf, Bootstrap, Apache Tomcat, JBoss, MSSQL, iReport, JUnit, Log4J
**Description:** TIMS is an enterprise-grade web application designed for Telecom Infrastructure Providers (like GTL) and Telecom Operators (such as Airtel, Vodafone, and Idea) to monitor, manage, and control telecom tower sites in real time. The platform centralizes tower monitoring, generates alarms, and provides comparative and analytical reports for energy usage, maintenance, and performance optimization. Worked on master modules (Sites, Towers, DG, Electricity, Inventory) and energy consumption reports. Developed modules for hardware monitoring, power management, and trouble-ticket handling using Spring MVC and Hibernate.
**Responsibilities:** Understanding the business requirements of the Customer and developed Code, test cases according to it, Involve in writing code, JUnit, bug fixes, peer code review.

## Research Paper/Publications:

- **Implementation of Selenium Automation & Report Generation Using Selenium Web Driver & ATF**, IEEE Sponsored *International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2021)*, Feb 19, 2021.
- Published **10+ National and International Research Papers** in reputed journals and conferences including IEEE, IJARECE, IJIRCCE, IJSEAS, and others, covering domains such as Cognitive Radio Networks, Automation, Communication Systems, and Embedded Technologies.

## Co-curricular & Technical Participation:

- Participated in the **Grand Finale of ROBOZEST'14** at *IIT Bombay (Aakar'14),* organized by RoboSpecies Technologies Pvt. Ltd.
- Secured **First Position** in **the Robotics Workshop of ROBOZEST'14**, a **National Level Robotics Championship** at Sardar Patel Institute of Technology & Management, Mandleshwar (M.P.).

## Declaration:

I hereby declare that all information mentioned above is true to the best of my knowledge.

Date    :
Place    : Indore                                                                                              Pawan Sharma


**REFERENCES:** Available upon request