# SANDEEP KUMAR SAMAL

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**LinkedIn** | **GitHub** | **Portfolio**

## PROFESSIONAL SUMMARY

- 4 years of experience in designing and developing scalable applications using **Java 8/11**, **Spring Boot**, and **Hibernate**
- Strong expertise in **microservices architecture**, **RESTful API development**, and **PostgreSQL**
- Proficient in enhancing application performance and applying **secure coding best practices**
- Hands-on experience with **DevOps tools** like **Docker** and **Jenkins** for streamlined CI/CD workflows
- Known for delivering **user-centric, high-quality solutions** in fast-paced, **Agile environments**

## EDUCATION

**Bachelor of Technology in Electronics and Communication Engineering**          *June 2016 – April 2020*
**Centurion University of Technology and Management**, Bhubaneswar, Odisha

## SKILLS

- **Languages & Frameworks:** *Java 8/11*, *Spring Boot*, *Hibernate*, *Spring Security*, React.js, DSA
- **Architectures:** *Microservices*, Monolithic, Layered
- **Web Technologies:** *HTML*, *CSS*, *JavaScript*, JSP
- **Databases:** *PostgreSQL*, MySQL
- **API Development:** *RESTful APIs*, *Swagger/OpenAPI*
- **Version Control:** *Git*, GitHub, SVN
- **DevOps:** *Docker*, *Jenkins*
- **Tools:** *Postman*, *Maven*, IntelliJ IDEA, VS Code
- **Methodologies:** *Agile (Scrum)*, Waterfall

## WORK HISTORY

Oct 2024 - Current
**Associate Consultant**
Infosys Technology - Bhubaneswar, Odisha

- Spearheaded the adoption of cloud-native tools to align with organizational IT strategies
- Enhanced expertise in microservices architecture and RESTful API optimization through hands-on training
- Collaborated with cross-functional teams to streamline workflows and implement Agile best practices
- Worked closely with business analysts and end-users to refine user requirements and deliver optimized lab operations .

Oct 2021 - Oct 2024
**Software Engineer**
Aashdit Technologies -
Bhubaneswar, Odisha

- Conducted code reviews across 5+ projects, improving system reliability by 20%
- Led the integration of advanced technologies, boosting application performance by 15%
- Streamlined algorithms, reducing computation time by 25% and enhancing user experience
- Awarded Employee of the Year (2022) for innovation, project success, and team collaboration

## PROJECTS

**Project 1: Procter & Gamble  – LAVANTAGE (Laboratory Information Management System)**
**Duration:** February 2025 – Present
**Domain:** LIMS (Laboratory Information Management System)
**Tech Stack:** Java 11, Spring Boot 3, PostgreSQL, REST APIs, Spring Security, Docker, Microservices

- Developed and maintained core LAVANTAGE modules including **Sample Management**, **Result Entry**, and **Workflow Automation** to streamline laboratory operations.
- Built **robust and scalable REST APIs** for seamless data exchange between lab systems and internal applications.
- Automated **lab validation processes** and tracking of test samples, reducing manual errors and improving operational efficiency.

**Project 2: VISA – Transaction Monitoring System**
**Duration:** October 2024 – January 2025
**Tech Stack:** Java 11, Spring Boot, Microservices, PostgreSQL

- Contributed to the **Alert Generation Module** to identify and flag suspicious financial transactions.
- Implemented **validation checks** to ensure transaction data integrity.
- Resolved API-related bugs and participated in **integration and deployment testing**.
- Supported **post-release validation and monitoring** to ensure system stability and accuracy.

**Project 3: HIIMS – Higher Education Information Management System**
**Duration:** December 2023 – September 2024
**Tech Stack:** Java 8/11, Spring Boot 3, PostgreSQL, Spring Security, REST APIs

- Designed and developed a **scalable system for 50+ institutions**, managing over **10,000 student records**.
- Integrated **Role-Based Access Control (RBAC)** for secure handling of sensitive academic data.
- Developed an **automated attendance tracking module** to improve administrative efficiency.
- Utilized **Swagger** for API documentation and integrated third-party systems for seamless onboarding.

## PROFESSIONAL ATTRIBUTES

- Problem-Solving: Efficiently resolved critical system bugs .
- Leadership: Successfully led and contributed to multiple high-impact projects, exceeding client expectations.
- Continuous Learning: Pursuing certification in Microservices Architecture & Cloud Technologies.
- Adaptability: Quickly adapt to new technologies and methodologies, ensuring smooth transitions and implementations.