SANDEEP KUMAR SAMAL

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# PROFESSIONAL SUMMARY

**EDUCATION**

**Skilled Software Engineer with 4+ years of experience** building scalable, high-performance applications using **Java, Spring Boot, and PostgreSQL**. Strong in **microservices, REST APIs**, and secure coding practices. Proficient with **DevOps tools** like **Docker and Jenkins**. Known for delivering user-focused solutions and driving project success.

Bachelor of Technology : Electronics and Communications Engineering, **04/2020 Centurion University of Technology And Management** - Bhubaneswar

# SKILLS

* **Languages & Frameworks:** Java 8/11, Spring Boot, Hibernate, Spring Security, DSA
* **Web Technologies:** React**,** HTML, JavaScript, JSP
* **API Development:** RESTful APIs, Swagger
* **Architectures:** Microservices, Monolithic, Layered Architecture
* **Databases:** PostgreSQL, MySQL
* **DevOps & Tools:** Docker, Jenkins, GitHub, SVN, CI/CD, Agile, Waterfall

# WORK HISTORY

***ASSOCIATE CONSULTANT*** *10/2024 to Current*

***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 .

***SOFTWARE ENGINEER***  *10/2021 to 10/2024*

***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**

**PROFESSIONAL ATTRIBUTES**

## Project 1: P&G – 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 enabling 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 actively participated in integration and deployment testing.
* Supported post-release validation and monitoring activities.

## 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 access to sensitive academic data.
* Developed an automated attendance tracking module to enhance administrative efficiency.
* Utilized Swagger for comprehensive API documentation and integrated third-party systems for onboarding.
* 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.