Nitin Singh Samant

Portfolio | LinkedIn | GitHub

Email: 19bcs2408@gmail.com
Mobile: +91 8146208330

PROFESSIONAL SUMMARY

Results-driven **Java Backend Engineer** with expertise in designing and developing scalable **Spring Boot microservices**, RESTful APIs, and enterprise backend systems. Strong foundation in **object-oriented programming**, data structures, SQL optimization, and system integration. Hands-on experience with CI/CD pipelines, containerization, and cloud deployment on **Microsoft Azure**. Adept at delivering high-performance, reliable, and maintainable software solutions.

EDUCATION

- **Chandigarh University** — Aug 2024 – Present
  MBA (General) with IT, Data Science, and AI — *Pursuing*

- **Chandigarh University** — Aug 2019 – Jun 2023
  B.Tech in Computer Science and Engineering — *CGPA: 7.3*

- **Kendriya Vidyalaya AFS, Jorhat** — 2019
  Higher Secondary Certificate (HSC) — *CGPA: 7.77*

- **Kendriya Vidyalaya No. 3, Patiala Cantt** — 2017
  Secondary School Certificate (SSC) — *CGPA: 9.4*

EXPERIENCE

- **JIO Platforms Limited** — Oct 2023 – Present
  - **Project: Defect Dashboard (React)** — Designed and developed a real-time defect monitoring dashboard using **React**, enabling engineering teams to track production issues more efficiently and reducing defect triage time by **35%**.
  - **Project: EDA for Production Defects** — Built automated data analysis pipelines using **Python** and **Jupyter Notebook** to extract, analyze, and restructure large volumes of production defect data, improving root-cause analysis speed by **40%** and enhancing reporting accuracy.
  - **Project: BAU Enhancements** — Delivered continuous backend improvements and production fixes across multiple releases, resolving critical defects and improving overall system stability by **25%**.
  - Collaborated closely with **PMO teams**, **MUT testers**, **SIT teams**, and **Replica teams** to coordinate testing cycles, prioritize defect resolution, and ensure smooth production releases under strict delivery timelines.
  - Demonstrated strong ownership by managing high-pressure deadlines, aligning deliverables with PMO requirements, and ensuring timely bug fixes across environments.

INTERNSHIP

- **HighRadius Technologies** — Jan 2022 – Oct 2022
  - Developed backend automation workflows using **Java** and **Python** to streamline enterprise financial operations.
  - Created REST APIs with robust database integration and transaction management.
  - Participated in Agile development cycles with continuous integration testing and version control best practices.

PROJECTS

- **Student Information Management System** — Java, JDBC, MySQL, Swing
  - Built a centralized platform to manage student records, attendance, courses, grades, and financial data.
  - Implemented role-based authentication, database normalization, and performance-optimized SQL queries.

- **Online Examination System** — Java, JSP, Servlets, MySQL
  - Developed a secure web-based examination platform with timed assessments and automated evaluation.
  - Designed dynamic reporting modules for performance analysis and academic insights.

- **Hospital Management System** — Java, JDBC, MySQL, JavaFX
  - Engineered a complete hospital operations system for patient management, scheduling, billing, and medical records.
  - Improved data consistency through transactional processing and modular service architecture.

Skills

Languages: Java, Python, SQL, JSP
Backend Frameworks: Spring Boot, REST APIs
Databases: MySQL, PostgreSQL, Neo4j
Dev Tools: Git, Docker, Jenkins, Maven
Cloud: Microsoft Azure, Google Cloud
Other: Linux, Microservices, CI/CD, Agile, OOP, Data Structures, System Design

Certifications

1. Jio Certified Google Cloud Platform Professional
2. DevOps Foundations (LinkedIn)
3. Prompt Engineering (GenAI)
4. Oracle Java: Getting Started
5. Python (University of Michigan)