

# Shubhendu Sangam Dash

## Senior Software Engineer

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### PROFESSIONAL SUMMARY

Seasoned Java Backend Developer with 8+ years of experience in building scalable backend infrastructures and developing high-performance APIs. Expertise in Java, Elasticsearch, and REST API development, with proven success in boosting processing speed by 40% and achieving 95% user matching accuracy. Skilled in system optimization, data integration, and driving user engagement in fast-paced product environments.

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### TECHNICAL SKILLS

**Programming Languages:** Java 8 | **Frameworks:** Spring, Spring Boot, Hibernate, JPA | **Frontend:** Backbone.js | **Backend:** REST API, Microservices | **Tools:** JUnit 5, Jenkins, Kubernetes (K8), GitHub, Jira, Postman | **Databases:** Elasticsearch, MySQL | **Platforms:** Azure Cloud | **Methodologies:** Agile Methodologies, Test-Driven Development, Behavior-Driven Development, Object-Oriented Design | **Library:** Maven, JSON | **Others:** Web Applications, Enterprise Software, Software Architecture, Product Design Methodologies, SDLC, Performance Tuning, Quality Assurance, Scalability.

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### PROFESSIONAL EXPERIENCE (8+ Years)

**Senior Software Engineer** | *Feb 2020 - Present*

**Syndigo LLC** | *Bangalore*

- Designed and implemented scalable and resilient backend infrastructures using Java and Elasticsearch, enhancing processing speed by 40% and ensuring seamless data integration and storage.
- Developed innovative API querying techniques for diverse datasets, improving data accuracy for cross-domain analytics by 50%.
- Achieved 95% user matching accuracy by applying advanced search strategies and standardization techniques, ensuring exceptional system performance.
- Re-implemented a modular Platform API in Java and Elasticsearch with custom configurations, enabling integrations with three third-party applications and significantly improving platform functionality and user engagement.
- TDD Application : While building APIs in Java, I consistently wrote unit tests before implementing business logic, ensuring correctness from the start.
- Improved reliability of GRM API: By designing tests for match-and-merge logic and error handling upfront, I reduced regression issues and caught edge cases early.
- Enhanced request validation workflows: TDD helped me validate complex payloads systematically, ensuring that invalid requests were rejected before hitting downstream systems.
- CI/CD integration: Automated test suites ran as part of pipelines, guaranteeing that only thoroughly tested code was deployed, accelerating release cycles.
- Key achievement: Reduced production bugs and improved confidence in refactoring, enabling faster iteration without compromising stability.

**Software Engineer** | *Mar 2017 - Jan 2020*

**Hexagon Global IT Services** | *Bangalore*

- Delivered tailored product solutions that met 100% of unique client requirements, ensuring precision and efficiency.
- Developed dynamic modules and features, boosting product functionality by 20% and enhancing end-user capabilities.

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### PROJECTS

**ML Self Service** | **Syndigo LLC** | *2023 - 2024*

- Built an end-to-end pipeline to read existing data.
- Performed data matching and generated ML models based on user feedback.
- Deployed the model with all necessary configurations, improving matching accuracy and deployment speed by 30%.

**DnB Enrich** | **Syndigo LLC** | *2022 - 2023*

- Built a scalable, config-driven Java batch app integrating D&B 3rd party API.
- Processed 100K+ records with improved efficiency.

### **CX360 Match and Merge | Syndigo LLC | 2021 - Present**

- Implemented custom configurations for enhanced integrations, reducing query response time by 30%.
- Improved platform functionality and user engagement, increasing data retrieval accuracy by 25%.

### **Data Standardization | Syndigo LLC | 2021 - 2022**

- Designed a data standardization pipeline to cleanse 100K+ records per batch.
- Boosted data accuracy by 35%.

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## **EDUCATION**

### **B.Tech in Electrical Engineering | Jul 2016**

Biju Patnaik University of Technology | Rourkela, Odisha

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## **CERTIFICATIONS**

- [Java EE: RESTful Service with JAX-RS 2.0](#)
- [Learn Apache Kafka for Beginners](#)
- [Introduction to Spring AI](#)
- [Responsible AI: Principles and Practical Applications](#)
- [What Is Generative AI?](#)