# Bijan Kumar Dey

Associate Software Engineer

## Objective

I am currently working at Test Yantra Software Solution as an Associate Software Engineer. A goal-oriented and a highly creative individual, seeking a challenging role to enhance the company's growth as well as expand my knowledge to enhance my performance on technical innovation.

## Skills

- **Languages**: Java 1.8, SQL
- **Frameworks- Back End**: Hibernate 5 with JPA, Spring (Core, MVC, REST), Spring Boot, Spring Data JPA Feature.
- **Design Patterns**: Singleton, MVC, Factory, DTO, DAO.
- **RDBMS Applications**: MySQL 8.0.30.
- **Logging API**: Log4j, Slf4j.
- **Unit Testing**: Junit5 with Mockito.
- **API Documentation**: Swagger API, Postman.
- **Code Quality Tools**: Sonar Lint, SonarQube.
- **Web Servers**: Apache Tomcat.
- **Version Control System**: Git.
- **Build Automation Tool**: Maven.
- **Other Tools**: Eclipse, Spring Tool Suite, IntelliJ, Visual Studio Code, SQL Plus, MySQL Workbench.
- **J2EE Technologies**: Servlet, JSP and JDBC.
- **Software Development Processes (SDLC)**: Agile Methodology.

## Experience

**Test yantra software solution:** Associate Software Engineer

*Bengaluru, Karnataka*.
**25 September 2023 – Current (2 years 6 months)**

### PROJECT DETAILS:

#### Project: 1. Learning Management System (LMS) – Web App

**Project Description:**
The application is a learning management system (LMS) that automates the learning and mentoring process. It manages batches, mentors, attendance, employee details, schedules mock exams, tracks employee performance, and provides feedback on mock results. It aims to streamline the learning process by providing a centralized platform for efficient management and tracking of employee progress. Overall, the LMS offers a range of functionalities to support the learning and mentoring process, making it easier to manage and track employee progress while also providing valuable insights and feedback to learners.

*Roles and Responsibilities:*
As a Backend Developer, I was involved in
- Developing REST API using Spring Boot with Data JPA.
- Following Coding and naming convention.
- Writing JUnit Test cases for service layer, controller layer and DTO layer.
- Developing APIs for the employees to optimize their workflow and increase their efficiency.

#### Project: 2. TOPSIM

- **Back End Technologies**: Java, Spring Data JPA.
- **Tools Used**: Spring Tool Suite, MySQL Workbench.

**Project Description:**
TOPSIM simulation games offer a wide range of applications, starting with recruiting and employer branding measures, through training and further education of employees, to potential assessment and customer loyalty measures.

*Roles and Responsibilities:*
As a Backend Developer, I was involved in
- Worked in agile framework as an individual contributor Responsibilities include - Interaction with Business team in story grooming, reviewing story/acceptance criteria.
- Aggregation of data based on the summarized data.
- Implemented REST Micro-services using spring boot. Generated Metrics with method level
- granularity and Persistence using Spring Actuator
- for communication.
- Worked with Test Driven Development (TDD)