

# SANKARSHAN SINHA

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## Professional Summary

As a **Full Stack Java Developer**, I aim to leverage my skills to create efficient and user-friendly web applications. I am eager to bring my strong problem-solving abilities and passion for continuous learning to a dynamic team where I can contribute to impactful projects.

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## Skills

- **Frontend Development:** HTML, CSS, JavaScript, **Angular**, **React**
  - **Backend Development:** **Core Java**, **Spring Boot**, **Node.js**
  - **Databases:** **MySQL**, **MongoDB**
  - **Cloud Services:** **AWS**
  - **Version Control:** **Git**, **GitHub**
  - **API Development:** **RESTful APIs**, **JSON**, **Web Services**
  - **Tools:** **IntelliJ IDEA**, **Eclipse**, **Postman**, **Jira**
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## Work Experience

### Programmer Analyst

Cognizant, Kolkata

November 2022 – Present

- **Developed REST APIs:** Utilized **Spring Boot** to create **RESTful APIs**, performing **CRUD (Create, Read, Update, Delete)** operations using **Spring Data JPA** repositories.
- **Frontend Implementation:** Designed and implemented the frontend using **Angular**. Employed the **HttpClient** module to fetch data from the backend and display it in the user interface.
- **Database Management:** Used **MySQL** for data storage and retrieval, ensuring efficient database operations and integration with the backend services.
- **Collaboration & Deployment:** Collaborated with cross-functional teams for seamless project deployment. Utilized **AWS** for cloud deployment and maintenance.

### Full Stack Java Trainee

Cognizant, Kolkata

March 2022 – November 2022

- **Portfolio Management Application:** Developed a **full-stack application** for portfolio management.
  - **Backend Development:** Leveraged **Spring Boot** to handle operations such as buying and selling stocks. Implemented **Spring Security** for authentication and authorization.
  - **Frontend Development:** Created the frontend using **Angular**, ensuring a seamless user experience.
  - **Database Integration:** Utilized **MySQL** to manage and store application data, ensuring robust and efficient data handling.
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## Education

Bachelor of Technology in Electronics and Communication Engineering

B.P. Poddar Institute of Management and Technology,

Maulana Abul Kalam Azad University of Technology

C.G.P.A: 8.9/10

2018 – 2022

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## Technical Projects

### 1. Marksheet Calculator

- **Technologies Used:** HTML, CSS, JavaScript
- A simple **marksheet calculator** that allows users to input marks for different subjects and calculates the **total** and **average** marks.
- **Features:**
  - Input marks for multiple subjects
  - Calculate total marks
  - Calculate average marks
  - User-friendly interface
- **Live Application:** [Marksheet Calculator | Github](#)

### 2. Spring Boot Project with Role-Based Authentication

- **Technologies Used:** Spring Boot, Spring Security, Java
- This project demonstrates **role-based authentication** using **Spring Security**.
- **Features:**
  - Home Page: Accessible by all without authentication
  - Admin Dashboard: Accessible only by users with the **ADMIN** role
  - User Dashboard: Accessible only by users with the **USER** role
- **Testing with Postman:**
  - Create a new request in Postman and test the following endpoints with **Basic Auth**:
    - /admin (admin credentials: username: admin, password: admin)
    - /user (user credentials: username: user, password: user)
- **GitHub:** [Spring Boot Project with Role-Based Authentication](#)

### 3. Bill Generator in Node.js and React

- **Technologies Used:** Node.js, React
- A **bill generation** application built with **Node.js** for the backend and **React** for the frontend.
- **Features:**
  - Generate itemized bills for customers
  - Allows users to add, edit, and delete items from the bill
  - Calculates total amount and taxes
- **GitHub:** [Bill Generator in Node.js and React](#)

### 4. Angular and Spring Boot CRUD Application

- **Technologies Used:** Angular, Spring Boot, MySQL
- A **full-stack CRUD application** built using **Angular** for the frontend and **Spring Boot** for the backend, allowing users to **Create, Read, Update, and Delete** data.
- **Features:**
  - **CRUD Operations:** Users can add, edit, and delete records in the database.
  - **Angular Frontend:** Provides a user-friendly interface to interact with the backend API.
  - **Spring Boot Backend:** Handles the business logic, connects to the **MySQL** database, and exposes RESTful APIs for CRUD operations.
  - **Database Integration:** Data is stored and managed using **MySQL**.
- **GitHub:** [Angular and Spring Boot CRUD Application](#)

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## Languages

- English: Proficient
  - Bengali: Native
  - Hindi: Fluent
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