

# Sayantan Paul

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## SUMMARY

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Backend Developer with 1+ year of experience building secure and scalable **RESTful APIs**, user management systems, and backend services using **Spring Boot**, **Node.js**, and **Microservices Architecture**. Experienced in automating processes and reducing manual effort by up to 50%, while driving a 30% increase in application performance. Continuously exploring **DevOps**, **cloud-native development**, and continuously learning modern backend technologies.

## EXPERIENCE

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### Floydee | Junior Software Engineer

*Jun 2024 – Present*

- Built a scalable User Management System for **OSINT** using **Spring Boot**, **PostgreSQL**, **JPA**, **JWT**, **Spring Security** and **Lombok**.
- Implemented core features like **user authentication**, **role-based access control**, and **rate limiting**, resulting in a 90% reduction in security vulnerabilities.
- Developed and maintained modules (Company, Customer, Service Catalog) for **FilingPro** using **Node.js**, **Sequelize**, and **MVC** architecture.
- Automated notification triggers using **node-cron**, **WhatsApp**, and **email**, improving communication by 30% and reducing manual work by 50%.
- Integrated **RESTful APIs** and managed **database migrations** to support business requirements, leading to a 30% reduction in bug reports and improved code maintainability.
- Building core modules for the Bank Statement Project including **case management**, **advanced data filtering**, and **audit logging** functionalities for police officers.

## SKILLS

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**Languages:** Java 17, SQL, JavaScript

**Backend:** Spring Boot, Express.js, Node.js

**Database:** MySQL, PostgreSQL, Sequelize ORM, JPA

**API:** RESTful API design and integration

**Tools:** Git, Docker, Jenkins, Postman, AWS, Visual Studio Code

**Concepts:** MVC, Authentication & Authorization (JWT), Rate Limiting, Database Migrations, Design Patterns

## CERTIFICATIONS

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**Accenture UK** – Virtual Internship | [Certificate Link](#)

**Walmart Global** – Advanced Software Engineering Program | [Certificate Link](#)

**HackerRank:** Java | MySQL

## PROJECTS

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### **CoronaCheck AI**

1. Built a deep learning model to detect COVID-19 from X-ray and CT images using **Keras**, **TensorFlow**, etc. achieving 50% faster image processing and reducing resource usage by 20% | [Link](#)

### **InventoryEase**

2. Created a bookstore inventory management web app with add, delete, and update features using **Spring Boot**, **MySQL**, etc. improving inventory tracking efficiency by 40% and reducing manual errors by 25% | [Link](#)

## EDUCATION

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- **Techno International, Kolkata (2021–2023)** – B.Tech in Computer Science and Engineering (82%)
- **Ramakrishna Mission, Kolkata (2017–2020)** – Diploma in Electronics and Telecommunication (71.2%)