

Nibin Sellaraj R J

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Pollachi ,Coimbatore ,TamilNadu

CAREER OBJECTIVE

Passionate backend developer with a strong foundation in Java and Spring Boot, and a deep interest in cloud computing. Experienced in building RESTful APIs and real-world backend systems. Eager to contribute to cloud-enabled applications and continuously improve my skills in scalable and secure backend development.

SKILLS

- **Languages:** Java (Core & Advanced), SQL, Python
- **Frameworks:** Spring Boot, Spring Security, Spring Data JPA, Hibernate.
- **Cloud & DevOps:** AWS (EC2, RDS,IAM,App Runner,VPC), Docker ,Git/GitHub, Nginx
- **Tools:** Postman (API Testing), Maven, JMeter.
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis

EDUCATION

Dr. Mahalingam College of Engineering and Technology

2023 - Present

Bachelor's of computer science and engineering

CGPA : 8.4

PROJECTS

Cloud-Native Quiz Assessment Platform

- <https://github.com/nibinrj/quiz>

Tech Stack: Java 23, Spring Boot 3, AWS (App Runner, RDS, VPC), Docker, PostgreSQL

- Architected a secure, cloud-native backend using Spring Boot 3, containerized with Docker and deployed to AWS App Runner for serverless scaling.
- Developed core RESTful API modules for User Management and Assessment Administration (CRUD operations for Questions), handling bulk data ingestion via '/addMany' endpoints.
- Engineered a "Private Network" strategy, isolating the RDS PostgreSQL database in a Private Subnet and accessing it exclusively via a VPC Connector to eliminate public attack vectors.
- Implemented Stateless Security using Spring Security & JWT to secure endpoints, enforcing Role-Based Access Control (RBAC) to restrict administrative actions (Delete/Add Questions) to authorized users.

Library Management Application Backend

- <https://github.com/nibinrj/library-1>

- **Tech Stack:** Java 24, Spring Boot 3.4.5, PostgreSQL, Spring Data JPA
- Developed a RESTful API using Spring Boot to manage library assets (Books) and patron data (Users).
- Engineered a transactional borrowing system that handles business logic for inventory control, automatically decrementing stock levels (Book Copies) upon successful issuance.
- Implemented robust CRUD operations using Spring Data JPA and PostgreSQL to ensure data persistence and referential integrity between Users and borrowing records.
- Designed scalable endpoints (/borrow, /book/add) to handle circulation requests and administrative inventory updates.

INTERNSHIPS

Backend Developer (Profeena InfoTech) - Pollachi

June 2025

- Engineered the end-to-end **Food Ordering Module** for a Hotel Management System, designing the database schema to map **Rooms, Orders, and Inventory** Items with complex relationships.
- Developed RESTful APIs to handle multi-item orders, **implementing business logic** to validate quantities and link orders to specific room numbers for accurate billing.
- **Designed the database architecture** (Schema & Logic) to enable real-time synchronization between the kitchen and room service, ensuring data consistency across the application.

CERTIFICATES

- AWS Cloud Practitioner Essentials
- Nvidia 's Introduction to Networking

LANGUAGES

- Tamil
- English
- Japanese (Beginner)