

INDHU SREE V

SOFTWARE DEVELOPER

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SUMMARY

Software Developer with a strong focus on backend engineering using Java (Spring Boot) and experienced in building scalable, secure, and maintainable services. Proficient in REST API design, authentication (JWT), database schema design (MySQLServer), and test-driven development. Also experienced with .NET (C#) backend development and desktop integrations (Electron + Angular).

TECHNICAL SKILLS

Languages: Java, C#, SQL,
Frameworks / Tools: Spring Boot, Spring Security (JWT), REST API, Hibernate/JPA, ASP.NET Core, Entity Framework

Database: MySQL, MongoDB
Dev Tools: IntelliJ IDEA, Visual Studio, VS Code, Postman, Git & GitHub

Testing: JUnit 5, Mockito
Exposure: Angular, Electron |
Deployment: Railway

PROFESSIONAL EXPERIENCE

Software Engineer—ClaySys Technologies, Coimbatore

Oct 2023 - Present

- Contributed to backend API development, database design, and integration for in-house applications including NextGen Task Tracker.
- Developed and maintained services using ASP.NET Core ; collaborated with frontend teams to integrate Electron/Angular clients.
- Improved API reliability through testing, structured logging, and centralized exception handling.

PROJECTS

NextGen Task Tracker — .NET, C#, Angular, Electron, SQL

- Led backend design and development for an enterprise desktop task-tracking platform (ASP.NET Core Web API) powering Electron + Angular clients.
- Designed relational schema and implemented data access with Entity Framework for tasks, activities, users, roles, and logs.
- Implemented secure authentication and authorization using JWT and role-based policies to protect APIs and user data.
- Created RESTful endpoints for project, task, and activity management with input validation and centralized error handling.
- Integrated structured logging and exception tracing to improve observability and incident investigation

Genie Task Tracker Sync — Electron, Angular, TypeScript, Azure DevOps API, SQLite

- Built a companion desktop synchronization tool to import Azure DevOps work items into the NextGen Task Tracker backend.
- Implemented WQL-based queries using Azure DevOps Node API to fetch hierarchical work items (User Stories, Bugs, Tasks, Activities).
- Mapped external work item fields to internal task/activity models and invoked secure backend APIs (JWT) for create/update operations.
- Implemented robust error handling, progress indicators, and credential encryption for user PATs.

Learning Management System (LMS) — Spring Boot, MySQL

- Developed backend services for a role-based LMS with Admin, Instructor, and Student workflows using Spring Boot and Spring Security (JWT).
- Designed RESTful APIs and relational schema (MySQL) for courses, lessons, enrollments, and progress tracking.
- Implemented file upload integration patterns for media storage (S3-compatible).
- Wrote unit tests using JUnit 5 and Mockito to ensure service reliability and prevent regressions.

E-Commerce Application — Spring Boot, MySQL Razorpay Integration

- Built backend modules for product catalog, shopping cart, order processing, and payment workflows in Spring Boot.
- Integrated Razorpay for secure payment processing and implemented server-side verification of transactions.
- Implemented Controller-Service-Repository layering with proper transaction handling and persistence in MySQL.

Movie Ticket Booking System — Spring Boot, MySQL

- Implemented APIs and DB schema for movies, theaters, shows, seats and booking lifecycle using Java and MySQL.
- Developed seat-locking and booking confirmation flows; included email notifications for successful bookings.

EDUCATION

B.Tech – Biotechnology, Sri Shakthi Institute of Engineering and Technology, Coimbatore (2020–2024)

ADDITIONAL INFORMATION

- **Languages:** English, Tamil, Hindi.
- **Certifications:**
 - Java Full Stack Developer Course – GUVI
 - TCS iON Career Edge Certification
 - Accenture Digital Skills Certification