

# RAMKUMAR MEGAVARNAN

## Java Developer

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Portfolio: <https://ramkumarm-coder.github.io/>

Java Developer with 4 years of experience in backend development using Java, Spring Boot, REST APIs, and microservices. Experienced in database design, Spring Security, RBAC, API integration, and enterprise application development. Strong problem-solving skills with hands-on experience delivering scalable production systems.

### KEY SKILLS

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Java, Spring MVC, Spring Boot, Microservices, REST API, Spring Security, Hibernate, JPA, Exception Handling, SQL, Database Design, Backend Development, API Integration, Maven, Git, JUnit, Swagger, Postman, Agile

### PROFESSIONAL STANDING

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**Software Developer (Level 6 – Tier 3), National Informatics Centre (NIC), Vijayawada, AP**  
**Contractual role | Third-party payroll**  
*January 2022 – Current*

#### 1. Land Registration & Document Management System

- Engineered backend business processes for property registration and end-to-end document handling using **Java** and **Spring Boot**.
- Enforced secure authorization mechanisms through **Spring Security** with hierarchical access control for government personnel.
- Enabled cross-department communication by developing and consuming **SOAP** and **RESTful** services for land-related data exchange.
- Assisted in integrating **digital signature** modules using hardware tokens within the application workflow.
- Architected and fine-tuned database schemas and transaction flows using **Oracle** and **PostgreSQL** to ensure reliability and scalability.
- Revamped legacy user interfaces with **Bootstrap** and **jQuery** for improved internal application usability.
- Successfully delivered production deployments aligned with prescribed government **SDLC, audit, and compliance guidelines**.

## 2. Citizen Land Registration Nomination Portal

- Built a public-facing nomination platform with **Spring Boot** and **Thymeleaf** to facilitate online land registration requests.
- Integrated secure citizen authentication using **identity (Aadhar) validation** and **OTP-based access workflows**.
- Enabled online fee collection through seamless integration with authorized **government payment gateways**.
- Produced statutory PDF outputs using **iText**, ensuring adherence to officially mandated document structures.
- Validated nomination data in real time by connecting multiple backend services from land administration departments.
- Designed robust **Oracle database operations** to persist user submissions and financial records securely.
- Optimized responsive layout and accessibility to enhance user experience across desktops and mobile devices.

## 3. DigiLocker Integration API for Land Registration Documents

- Developed a secure backend integration service to electronically supply land documents to **DigiLocker**.
- Implemented **SOAP-based service interoperability** conforming to national e-governance integration protocols.
- Applied **OAuth 2.0-based authentication** with **Spring Security** to safeguard inter-system communication.

## EDUCATION

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- **Master of Computer Application (MCA) | 83.20 percentage | Sept 2019 – May 2021**  
Anna University (BIT campus)  
Tiruchirappalli, Tamil Nadu
- **Bachelor of Computer Application (BCA) | 79.00% | Sept 2016 - May 2019**  
J.J. College of Arts and Science  
Pudukkottai, Tamil Nadu

## CERTIFICATION

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- **Guvi** - Java Full-Stack Developer (2025)
- **Udemy** - Spring Boot 3 & Hibernate (2024)
- **Udemy** - Java Design Patterns (2024)