

# RAMKUMAR MEGAVARNAN

## Java Developer

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LinkedIn: <https://www.linkedin.com/in/ramkumar-coder/>

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. Government Land Registration & Document Management System

- Designed and developed core backend workflows for land registration and document lifecycle management using Java and Spring Boot.
- Implemented role-based access control (RBAC) with Spring Security to manage secure access for government officials.
- Built and integrated inter-departmental SOAP and REST APIs to enable seamless data exchange across land-related government systems.
- Implemented digital signature functionality using hardware tokens, enabling legally valid document approvals.
- Designed and optimized relational database models and transactions using Oracle and PostgreSQL to ensure data consistency and performance.
- Modernized legacy application interfaces using Bootstrap and jQuery, improving usability for internal users.
- Delivered releases in compliance with government SDLC and operational standards.

#### 2. Citizen Land Registration Nomination Portal

- Developed a citizen-facing web portal using Spring Boot and Thymeleaf to support online land registration nominations.

- Implemented identity verification and OTP-based authentication for secure citizen access.
- Integrated government payment gateway to enable secure online fee transactions.
- Generated legally compliant PDF documents using iText, supporting dynamic data population and official formats.
- Implemented real-time data validation by integrating backend services from land-related departments.
- Designed secure Oracle database operations to handle citizen submissions and transaction records.
- Focused on responsive UI and accessibility, enhancing citizen experience across devices.

### **3. DigiLocker Integration API for Land Registration Documents**

- Designed and developed a secure service-to-service integration API to electronically share land registration documents with DigiLocker.
- Implemented SOAP-based interoperability following government integration standards.
- Secured backend services using Spring Security with OAuth 2.0, enabling controlled and authenticated access.
- Ensured data privacy, document integrity, and secure transmission for sensitive government records.

## **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)