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

Java (Core & Advanced); Spring MVC; Spring Boot; Microservices Architecture; RESTful API Development; Spring Security; Hibernate; JPA; Exception Handling & Global Error Handling; SQL; Database Design & Optimization; Backend Development; API Integration

Tools & Technologies: Postman; Maven; Git; Swagger; OpenAPI

PROFESSIONAL STANDING

Software Developer, Aeologic Technologies Pvt Ltd | Vijayawada, Andhra Pradesh
Client: National Informatics Centre (NIC)
January 2023 – Current

1. **Land Registration System**

   - Architected and built a monolithic backend REST API system for complete property registration workflows using **Java** and **Spring Boot**.

   - Implemented **OAuth 2.0–based authentication** and **hierarchical role-based access control (RBAC)** using Spring Security to manage authorization across multiple user access levels.

   - Integrated **SOAP** and **RESTful services** to enable seamless inter-system data exchange using **JAX-WS, OpenFeign, and Spring REST clients**.

   - Designed and optimized database schemas, stored procedures, and transactional flows using **Oracle** for data integrity, performance, and scalability.

   - Identified and resolved application security vulnerabilities in compliance with **OWASP** Top 10 standards and supported security audits.

2. **Citizen Land Registration Nomination Portal**

   - Developed an interactive nomination portal using **Spring Boot** and **Thymeleaf**, enabling citizens to submit land-related applications digitally.

- Implemented a **multi-layered user verification flow** using Spring Security Form Login combined with **Aadhaar-based identity checks** and **OTP-driven two-step verification** for enhanced safety.
- Enabled smooth online fee payments by integrating a secure and reliable **payment gateway**.
- Strengthened document handling by **generating dynamic PDFs** and automating form layouts using **iText**.
- Improved the front-end experience with **responsive UI enhancements** and **accessibility upgrades** built using **HTML, CSS, Bootstrap, and jQuery,** ensuring compatibility across devices.

Application Developer, Prakhar Software Solutions Pvt Ltd | Vijayawada, Andhra Pradesh
January 2022 – December 2022

1. **DigiLocker Integration API**

   - Built a backend integration module that provides **secure access and retrieval of user documents** through DigiLocker, ensuring reliable communication between systems.
   - Implemented a **SOAP-based service endpoint** following DigiLocker's technical specifications to enable **verified document exchange** with strong validation and protocol compliance.

2. **Other Notable Projects**

   - Worked on the Legacy Reports module, implementing features and maintenance tasks using **Struts, Spring AOP, Servlet technologies, and JSP.**
   - Migrated the legacy project into **Git** for streamlined **version control** and collaborative development.

EDUCATION

- **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 percentage | Sept 2016 - May 2019**
  J.J. College of Arts and Science
  Pudukkottai, Tamil Nadu

CERTIFICATION

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