

# Malaimannan Alagar

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Software Developer with over **1.3 years of experience** in developing and maintaining **microservices-based web applications** using **Java, Spring Boot, Angular, and PostgreSQL**. Adept at building scalable backend systems, creating responsive UI with Angular, and writing performance-optimized database queries. Passionate about continuous learning and delivering innovative, efficient solutions in collaborative environments.

## Experience

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JANUARY 2024 – APRIL 2025

**Junior Software Developer | Paragon Dynamics Info Systems Pvt Ltd | Chennai**

- **Designed and implemented** scalable microservices using Spring Boot, leading to a **25% boost in performance**, improved flexibility, and easier maintainability.
- **Enhanced** full-stack web applications using Angular, Spring Boot, and PostgreSQL, delivering **seamless, responsive user experiences** across platforms.
- Improved PostgreSQL **JOIN operations** involving date-based filtering, enabling **faster access** to time-sensitive data and enhancing the performance of critical business functions by **30%**.
- Upgraded Angular applications to **version 13**, enhancing UI responsiveness, modularity, and maintainability.
- Collaborated with cross-functional teams to **troubleshoot complex issues**, streamline debugging workflows, and accelerate issue resolution in production environments.

## Technical Skills

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- **Languages:** Java
- **Frameworks & Libraries:** Spring Boot, Angular
- **Database Technologies:** PostgreSQL
- **Development Tools & IDEs:** GitHub, Visual Studio Code, Spring Tool Suite (STS)

## Education

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JULY 2022

**Computer Science and Engineering | RVS Educational Trust's Groups of Institutions| Dindigul**

Cumulative GPA: 7.62 / 10.0

MARCH 2018

**Higher Secondary School Certificate|De Britto Higher Secondary School | Devakottai**

Percentage 70/ 100

MARCH 2016

**Secondary School Leaving Certificate |De Britto Higher Secondary School | Devakottai**

Percentage: 84 / 100

## Certification

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- **Java Full Stack | Blue Ball technologies|Chennai (2024)**

## Projects

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### INTEGRO | 2024 – 2025

Technologies: Java, Spring Boot, Angular, PostgreSQL

- Implemented modules for **crew sign-on/sign-off**, recruitment onboarding, and port clearance, reducing crew processing turnaround time by **40%** and enhancing operational efficiency.
- Designed workflows to enforce maritime **safety regulations** and **validate crew documentation**, cutting non-compliance risks by **30%** and ensuring regulatory adherence.
- Built and scaled a microservices-based **Vessel Management System** using Spring Boot, improving system modularity and performance through robust RESTful API integration.

### SMART CONNECT | 2024

- Managed domestic and international shipping operations, optimizing container tracking and streamlining **NVOCC** workflows, which led to a 20% increase in shipment visibility.
- Ensured full compliance with carrier agreements and international shipping regulations while meticulously handling all required documentation, including **bills of lading** and shipping instructions.
- Developed a scalable shipping management system using Java & Spring Boot, AngularJS, and PostgreSQL, featuring real-time shipment tracking and automated logistics workflows.

### FORTUNE SHIPPING AND LOGISTICS LLC | 2024

- Managed domestic and international shipments across **NVOCC and agency operations**, enhancing container tracking accuracy and improving coordination across logistics channels.
- Ensured strict compliance with carrier agreements and international regulations while overseeing all critical documentation, including **bills of lading** and export instructions.
- Developed a scalable shipping management system using Java & Spring Boot, AngularJS, and PostgreSQL, featuring real-time shipment tracking and automated logistics workflows.

## Languages

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- Tamil | Native speaker
- English | Proficient