

# PARTHASARATHY T

Chennai

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## PROFILE

Software Developer with 2.9 years of experience in Java, Spring Boot, and Angular, building scalable, efficient applications with expertise in PostgreSQL and MongoDB. Skilled in full-stack development, cross-functional collaboration, and delivering high-quality code for complex projects.

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## INFORMATION TECHNOLOGY SKILLS

- **Programming languages:** Java, TypeScript, JavaScript.
- **Frontend Frameworks:** Angular, VueJs.
- **Backend Technologies:** Spring Boot, RESTful APIs, Microservices
- **Databases:** PostgreSQL, MongoDB.
- **Development Tools:** Docker, Git, Maven, Jenkins, Postman
- **Other Skills:** Unit Testing with JUnit, JSON, HTML, CSS

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## WORK EXPERIENCE

Nov 2022 - Present

EAGLE SOFTWARE, Thousand Light, Chennai

Java Full Stack Developer

Project1: TNMVMD (TamilNadu Motor Vehicle and Maintenance Department)

- **Technologies:** Java, Spring Boot, Angular, TypeScript, HTML, CSS, Postgresql, Docker.
- **Description :**
  - TNMVMD is a vehicle service-based project developed to manage the maintenance and repair of government vehicles across Tamil Nadu. The system streamlines the request and approval process for vehicle services, ensuring timely maintenance and operational efficiency.
  - **Dashboard:** Provides a comprehensive view of service requests, approvals, status updates, and key metrics such as vehicle count, materials inventory, and employee count for better monitoring and management.
  - **Request and Approval Process:** Service requests are raised by users and routed through a structured approval process involving higher officials.
  - **Email Notification Integration:** Automated email notifications keep stakeholders informed about the status of service requests and approvals.
  - **MIS Report Generation:** Allows downloading detailed reports in Excel and PDF formats using **Thymeleaf** and **Java Excel Workbook** for better analysis and record-keeping.
  - **Security:** Implements **JWT-based Authentication and Authorization** to ensure secure access and protect sensitive data.

## Project2: KMDS GIS

- **Description :**

- KMDS GIS is a citizen-centric project designed to facilitate communication between citizens and government officials. The system allows citizens to raise complaints and feedback, request new locations, and access important information like nearby ATMs and hotels. It also provides a platform for government advertisements and event updates.
- **Authentication and Authorization:** Developed authentication and authorization services to ensure secure access.
  - Implemented user login with validation for correct credentials.
- **Location Management:** Citizens can view various locations (e.g., ATMs, hotels) and request to add new locations. New location requests are processed through an approval workflow by higher officials before being added to the citizen portal.
- **FAQ Section:** Provides answers to common queries, enhancing user experience and reducing repetitive requests.
- **Government Advertisements and Events:** Government officials can post advertisements and event updates, which are displayed on the citizen portal for public awareness.
- **Security:** Implements **JWT-based Authentication and Authorization** to ensure secure access and protect sensitive data.

## Project3: BOCW (Building and Other Construction Workers)

- **Description :**

- The BOCW platform manages Bihar's workforce data, tracking contractors and their laborers with details such as personal information, contact details, addresses, job type, and worksite. It allows workers to apply for and track up to 16 welfare schemes (e.g., Pension Scheme), routes requests and complaints to the appropriate government officers, and sends status updates via SMS.
- **Authentication and Authorization:** Developed authentication and authorization services to ensure secure access.
  - Implemented user login with validation for correct credentials.
  - Configured role-based access control to limit platform features based on authorization levels.
- **User Interface Development:** Built the complete dynamic UI layout for the platform, ensuring an interactive and responsive experience.
- **SMS Notification Service:** Developed API services for sending SMS notifications to workers regarding application or complaint status.
- **Complaint Management:** Implemented a complaint management feature where complaints are automatically routed to the relevant government officer, and post-resolution status is communicated back to the worker via SMS.