

## PROFILE SUMMARY

Front-End Engineer with 3+ years of experience building high-performance, enterprise-grade web applications using Angular, TypeScript, and RxJS. Specialized in scalable component architecture, performance optimization, data visualization, and unit testing. Experienced in collaborating with backend teams to deliver reliable, production-ready systems used by real users.

## WORK EXPERIENCE

### Associate Software Engineer

Promantus India

02-2024 - Present

- Designed and developed reusable Angular components for multiple enterprise-scale single-page applications, enhancing development efficiency by approximately 30% and improving long-term maintainability.
- Built reactive data flows using RxJS and REST APIs, enabling real-time handling of high-volume data updates
- Implemented comprehensive unit testing with Jasmine and enforced quality gates through SonarQube, reducing production regression issues by 40%.
- Collaborated closely with backend engineers to integrate APIs, ensuring seamless end-to-end functionality and system reliability.
- Integrated emerging technologies into existing systems, boosting application capabilities and overall performance.

### Associate Software Engineer

Boodskap

10-2022 - 08-2023

- Developed and maintained web applications that are optimized for various devices and browsers
- Implemented responsive design and cross-browser compatibility for different screen sizes
- Wrote and maintained code that is clean, efficient, and easy to understand

## EDUCATION

B.Tech/B.E. - Mechanical

2019

National Engineering College, Kovilpatti

## KEY SKILLS

Angular

TypeScript

Bootstrap

Html/Css

Karma Jasmine

Unit Testing

State Management

Sonarqube

Echarts

Apex charts

Google Maps

Node.js

Vue.js

Redis

MongoDB

MySQL

Elastic Search

Kibana

Javascript

## PROJECTS

### Global Net Zero for Emissions

16 Months

- Integrated new technologies into existing systems, increasing capabilities and improving overall performance.
- Built dynamic PDF report generation with emissions data, charts, and tabular insights.
- Implemented role-based access and user-specific visualizations.
- Ensured high code quality through unit testing and static analysis.

### BeeSense

3 Months

- Designed and implemented dynamic visual representations of statistics using interactive charts and tables.
- Incorporated advanced filtering options to enable users to analyze data efficiently and intuitively.

### EMPS Dashboard

3 Months

- Developed real-time fleet tracking using Google Maps with dynamic marker updates and visualized routes, pickup, and drop points for large datasets.
- Implemented ETA calculations and optimized map rendering for performance.

## SOCIAL LINKS

<https://www.linkedin.com/in/pradeepnatarajan/>