

THIRUNAVUKKARASU THANGARAJ

Senior Software Developer, Team Lead & Solution Architect | Full-Stack Developer

Phone: +91 81440 02155 | Email: iamthiru.dev@gmail.com | Location: Chennai, India
LinkedIn: linkedin.com/in/thirunavukkarasu-thangaraj

PROFESSIONAL SUMMARY

Full-stack software developer, team lead and solution architect with 10+ years of experience designing and delivering enterprise web and mobile applications across rail, recruitment, healthcare and automotive sectors. Deep expertise in Java, Spring Boot and Angular, with specialised experience in event-driven and enterprise integration systems using Apache Camel, Apache Kafka, ActiveMQ Artemis and RabbitMQ. Hands-on with AWS, Microsoft Azure and Hetzner Cloud. Proven record of leading development teams and architecting solutions for global clients including Alstom and Renault Nissan, improving system reliability, integration and operational efficiency.

CAREER HIGHLIGHTS

- Designed and delivered an enterprise integration platform for Alstom's rail projects in Portugal and Spain, bridging Kafka, ActiveMQ Artemis and RabbitMQ with guaranteed delivery for mission-critical rail operations.
- Built core modules of GigSumo, a job portal and staffing platform, using Angular, Kafka, DynamoDB and Elasticsearch on AWS, supporting scalable candidate search and recruitment workflows.
- Delivered secure, real-time messaging for Care-online, a healthcare collaboration platform connecting physicians, agencies, patients and families.
- Led end-to-end delivery of 8+ logistics and vehicle-tracking applications for Renault Nissan India, digitising manual yard, transport and delivery processes.

TECHNICAL SKILLS

Languages & Frameworks	Java, Angular, AngularJS, TypeScript, JavaScript, Ionic, HTML, CSS, Bootstrap
Backend & Integration	Spring Boot, Microservices, RESTful Web Services, Apache Kafka, Apache Camel, ActiveMQ Artemis, RabbitMQ, WebSocket, API Integration
Mobile	Native Android, Hybrid Apps (Ionic / Cordova), Flutter
Cloud & Databases	AWS, Microsoft Azure, Hetzner Cloud, Amazon DynamoDB, Elasticsearch, MySQL, PostgreSQL
DevOps & CI/CD	Git, GitHub, Jenkins, GitHub Actions, Docker, CI/CD Pipelines, Linux, Maven
Integrations	Stripe, Razorpay, Payment Gateway Integration, WhatsApp API, SMS Gateway, OTP Verification, Voice Call API, Third-Party API Integration
AI & Automation	OpenAI API, Claude API, Gemini API, Document Extraction, Email Automation
Security	OAuth 2.0 / JWT, HTTPS / TLS, Role-Based Access Control, Secure API Development, OWASP Best Practices
Practices	Team Leadership, Solution Architecture, Payment Gateway Integration, Agile Delivery

PROFESSIONAL EXPERIENCE

Senior Software Developer, Team Lead & Solution Architect — Mavens-I Softech Solutions, Chennai

Jul 2019 - Present

Alstom (Portugal & Spain) - Rail Interface Integration Platform

Java, Spring Boot, Apache Camel, Apache Kafka, ActiveMQ Artemis, RabbitMQ, Microsoft Azure

- Designed and developed an enterprise integration application enabling reliable communication between distributed rail systems across Alstom's Portugal and Spain projects.
- Implemented Apache Camel routes to mediate, transform and route messages across Kafka, ActiveMQ Artemis and RabbitMQ, bridging heterogeneous protocols and message formats.

- Ensured guaranteed delivery, error handling and message reconciliation across the integration layer, supporting mission-critical rail operations.

GigSumo - Job Portal & Staffing Platform

Angular, Apache Kafka, Amazon DynamoDB, Elasticsearch, MySQL, AWS

- Developed core web modules streamlining job search, candidate management and recruitment workflows for recruiters and job seekers.
- Built responsive Angular front-end features integrated with Kafka-based event-driven backend services, with Elasticsearch powering fast candidate and job discovery.
- Deployed and maintained services on AWS, contributing to scalable performance across the platform.

Care-online - Collaborative Healthcare Platform

Angular, Apache Kafka, Amazon DynamoDB, Elasticsearch, MySQL

- Implemented secure, real-time messaging and Angular interfaces supporting communication between physicians, agencies, patients and families.
- Focused on data privacy, reliability and responsiveness to support coordinated patient care.

Renault Nissan India - Vehicle Logistics & Operations Suite (8 applications)

Angular, Ionic, Native Android, Spring Boot, PostgreSQL

- DVT - Digital Vehicle Tracking: built a solution to track newly manufactured cars after QA testing while parked in the yard, capturing location, status and movement across the storage yard, improving real-time visibility and traceability for plant and logistics teams.
- DTO - Digital Transport Order: developed the Android application used for loading manufactured cars onto transport trucks, managing transport orders, vehicle assignments and loading confirmations.
- ePOD - Electronic Proof of Delivery: enabled dealers to inspect delivered vehicles on arrival, documenting damages or missing parts with photographic evidence transmitted to transporters.
- Transporter Application: built an Android app allowing transporters to accept or reject assigned transport tasks on the move, with real-time task allocation, status updates and confirmations.
- LTSM - Long Term Maintenance System: built scheduling, reminders and service-history tracking for periodic vehicle maintenance every three months.
- MOM - Minutes of the Meeting (RNAIPL): implemented features to capture, organise and circulate meeting minutes, action items and follow-ups.
- NLTH - Nissan Leasing Thailand Stock Auditing and Stock Auditing System (RNDBCI): built inventory management, audit capture, verification and reporting workflows to reconcile leasing stock across multiple locations.

Software Developer (Mobile & Web) — Vega Intellisoft Pvt Ltd, Chennai

Jul 2018 - Jun 2019

- Developed mobile and web applications across the full development lifecycle as a vendor at Mavens-I Softech Solutions.
- Built native Android and Angular front-ends integrated with Spring Boot RESTful APIs and relational databases; contributed to implementation, testing and bug fixing.

Ionic Developer — Bestshine Education Campus

Sep 2017 - Jun 2018

- Developed a hybrid education-management application (Ionic, Cordova, AngularJS, MySQL) serving management, teachers, parents, students and drivers from a single codebase.
- Built an Android transport app for school bus drivers covering routes, student lists and attendance, improving safety and coordination of daily transport operations.

Android Developer — Bluedyne Software Pvt Ltd

Sep 2016 - Sep 2017

- Developed an insurance recommendation Android application (Android SDK, Java, MySQL, PHP), gaining foundational full-stack and mobile development experience.

EDUCATION

Bachelor of Engineering (B.E.), Computer Science & Engineering

Anna University, India

LANGUAGES

English - Professional working proficiency | Tamil - Native

REFEREES

Available on request.