

SENTHIL KUMAR THANGAVEL

Principal Frontend Architect

 senthilkumar.life

 @senthilk979

CAREER SUMMARY

- Engineering leader and Frontend Architect with 12+ years of experience designing scalable enterprise platforms
- Established reusable engineering foundations, including UI platforms, development standards, and architecture patterns that improved developer productivity and software quality.
- Founded Peacock Studio, an AI-powered developer productivity platform, and MentorBridge, a mentorship initiative that has trained 100+ engineers.

EXPERIENCE

PRINCIPAL DEVELOPER

Jul 2025 - Present



BNP Paribas Fortis, Brussels, Belgium

bnpparibasfortis.be

- Steered frontend architecture and technical vision for enterprise digital platforms, aligning modern full-stack technologies with business goals to ensure high availability and scalability.
- Led architectural governance and technical roadmapping, establishing modern development standards and clean-code practices that reduced production defects and accelerated release cycles.
- Mentored and coached engineers across multiple squads through structured design reviews, code reviews, and technical workshops, elevating overall team delivery standards.
- Optimized core application performance and Developer Experience (DX), establishing standardized tooling and reusable platform architecture to streamline sprint execution.

SENIOR SPECIALIST

Oct 2024 - Jun 2025

LTM LTIMindtree, Coimbatore, India

<https://www.ltm.com>

- Led a cross-functional team of 8+ engineers to design and deliver enterprise platforms, establishing modular architecture patterns that reduced technical debt and improved release velocity by 30%.
- Directed end-to-end full-stack development workflows, enforcing code quality, security compliance, and performance benchmarks to ensure predictable sprint delivery.

CONTACT

 +32 476 56 37 10

 senthilkumar@mentorbridge.in

 Mol, Belgium

 peacockstudio.app

 mentorbridge.in

EDUCATION

Master of Business Administration

SRM Institute of Engineering & Technology

2024-2026

Bachelor of Engineering

Anna University

2009-2013

SKILLS

- Frontend Architecture
- Technical Leadership
- Micro Frontends
- React
- TypeScript
- JavaScript
- Next.js
- Redux Toolkit
- Node.js
- Express
- REST APIs
- Styled-Components
- Dexie.js / IndexedDB
- React Testing Library
- Engineering Mentorship
- Agile / Scrum
- AWS

SENIOR FRONT END ENGINEER

Nov 2023 - Aug 2024



Oro Inc, India

<https://oroinc.com>

- Engineered a high-performance, mobile-first web application from inception using React and TypeScript
- Built a custom design system with Styled-Components to deliver precise Figma-to-code UI across desktop, tablet, and mobile.
- Streamlined frontend state and data workflows by combining TanStack Query, Redux, and Jotai, ensuring robust backend API integration strictly adhering to JSON API specs.

ASSISTANT CONSULTANT

Feb 2014 - Nov 2023



TATA Consultancy Services, Chennai, India

<https://www.tcs.com>

- Engineered scalable full-stack applications using Java, Spring Boot, Node.js, and modern React/TypeScript, developing RESTful services and robust UI components across the full software development lifecycle.
- Modernized client-side applications by transitioning legacy codebases (Backbone.js, Angular, Ionic) into responsive React applications, improving maintainability, developer workflows, and state management.
- Collaborated with cross-functional project teams to translate business specifications into reliable code, implementing engineering best practices, unit testing, and API integration standards.

FOUNDER

Jun 2026 - Present



Peacock Studio

<https://peacockstudio.app>

- Founded and architected Peacock Studio, an edge-native browser application (Chrome/Edge extension with a React-based platform) that automates workflow documentation, visual testing, and interactive step-by-step process playback for engineering and QA teams.
- Designed a privacy-first client architecture using a closed Shadow DOM, Dexie.js (IndexedDB), and browser APIs to capture high-frequency user interactions, DOM mutations, screenshots, and application events entirely on the client, with automatic masking of sensitive information and zero server-side data collection.
- Engineered an event-driven recording pipeline optimized for performance and low memory usage, enabling reliable session capture without impacting the host application's responsiveness.
- Established a modular, extensible architecture to support future capabilities including test generation, workflow analytics, bug reporting, and developer productivity tools.

FOUNDER & CHIEF-COORDINATOR

Sep 2024 - Present



MentorBridge

<https://www.mentorbridge.in>

- Founded an engineering mentorship initiative to bridge academia and industry, training 100+ aspiring developers in full-stack JavaScript, React, Java Spring Boot, and modern web architecture.
- Established corporate hiring partnerships with tech companies and startups to build direct talent pipelines, resulting in 25+ full-time engineering placements with various companies.
- Designed hands-on curriculum and practical workshops focused on enterprise production standards, SOLID design principles, Agile workflows, and real-world system design.
- Coached early-career engineers through portfolio builds, technical interview preparation, and production-level code reviews to ensure job readiness.