



**Sethuramalingam Duraisamy**

**Full Stack Developer**  
(React, Angular, Next.js, Node.js)  
(10 Years of experience)

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## JOB SKILLS

- Adept professional with **extensive experience** in **front-end** and **back-end** software development with a strong background in BDD and TDD frameworks.
- Engineered scalable systems using **JavaScript, TypeScript, React, Angular, Next.js, Node.js, API's, Microservices, MongoDB, Amazon Cloud, Docker & Git CICD**.
- Crafted detailed **High-level & Low-level** designs for systems that uses **Micro frontends**.
- Adept in implementing software applications with OOPS, **SOLID** principles & design patterns.
- Successfully led an **Agile** team of **7+ people for over 2 years**, with **10+ successful deliveries**.
- Conducted regular **code reviews** and **security audits**, ensuring secure & scalable systems.
- Ensured **WCAG guidelines & A11Y standards** for enhancing web accessibility.

## TOOLS & TECHNOLOGIES

Framework/ Libraries	React, Angular, React Native, Next.js, Node.js, HTML, CSS, Tailwind CSS
Languages / Stylings	JavaScript (ES6+), TypeScript, CSS Preprocessors LESS, SASS
State Management	Redux, NgRx, Context API, RxJs, Redux Tool Kit, React Query
Component Libraries	Material UI, Kendo UI, Shadcn/ui, Angular Material, Bootstrap 5.0
API Techniques	REST API, GraphQL (Apollo Client), WebSocket (Socket.io)
Databases / Tools	MongoDB, Mongoose, GraphQL, Datadog
Testing Libraries	React Testing Library, JEST, Enzyme, Jasmine, Cypress, Selenium
Cloud/ Version/ Repo	AWS S3, EC2, CloudFront, Kafka, Docker, Git Actions CI/CD, Bit bucket
Tools	SONAR, SENTRY, NVDA Screen Reader, UML, JIRA, Figma UX, Dynatrace

## EXPERIENCE

Dec 2022 – present

### Technical Lead – Frontend Engineer

Encora Innovations Pvt. Ltd, Bengaluru, India

- Architecting a robust fintech **Single-Page Application (SPA)** using **React, Redux, Next.js**.
- Designing **config/ server driven UI** using JSX, Tailwind CSS, Shadcn/ui, REST API, MongoDB.
- Crafting **20+ reusable** components with streamlined **design patterns** like HOC, Singleton.
- Managing application state using **Redux** and accessing it by **Custom hooks** design pattern.
- Optimizing systems using **Code Splitting** by Lazy Loading, Fragments and Portals.
- Implementing **Global error handling** and monitoring performance aspects by **Datadog**.
- Defining independent **micro frontend (MFE)** which helps **14%** increase in product growth.
- Orchestrating **AWS S3 & Docker container** deployments with **Git Actions CI/CD pipelines**.
- Integrated **Clerk Single Sign-On (SSO)** to streamline user authentications.
- Enhancing **CSP** headers, **HSTS** standards and **SSL** encryptions for **web securities**.
- Implementing **server-side rendering (SSR)** for improving page load times and **SEO** scores.
- Collaborating with product team for defining **user stories** and **sprint** plans in **Agile**.
- Executing test suites using **Jest & Enzyme** for a product, resulting in **90%** code coverage.
- Creating **SONAR** reports for code quality and **SENTRY** reports for security audits.

### Achievements

- **Star Performer** award for fintech product market growth SEO rate increased by **8.3%**.
- **Client Appreciation** for system optimization techniques like **Service Worker caching** and it helps to reduce the page load time by **32%**.

Aug 2022 – Nov 2022

## Full Stack Developer

Indivumed GmbH, Hamburg, Germany

- Contributed to **Progressive Web applications (PWA)** in bio medical industry using **React**.
- Integrated **Indexed DB** for robust **offline-first** features, user to access system in offline.
- Managed the application state using **Context API** and **Node.js**, MongoDB for server side.
- Enhanced web application security by implementing **CSRF** protection, **XSS** prevention.
- Refactored legacy code for scalability and maintainability based on SOLID principles.
- Utilized **ARIA** roles to improve **web accessibility** and used A11y NVDA Screen reader tool.

### Achievements

- Achieved a reduction in sonar issues from count **720** to **35** by refactoring code.

Feb 2021 – Jul 2022

## Technical Lead – Frontend Engineer

TVS NEXT Pvt. Ltd, Chennai, India

- Devised and established automobile product using **Angular 14**, **Node.js**, **Mongo DB**, **NgRx**.
- Built UI using HTML, LESS, RxJs, **GraphQL**(Apollo Client) with Jasmine, Karma unit testing.
- Created and registered new custom libraries into NPM registry using **NX library**.
- Designed **16+** server-side API's using **Express** framework and authenticated by **JWT** tokens.
- Implemented Server-side caching using **Apollo Client** for frequently queried results.
- Adept in implementing micro frontends (MFE) using **Module Federation** and **webpack**.
- Defined **Publisher/ Subscriber** design pattern for MFE communication.
- Accomplished **Web Vitals** resulting in a **15-20%** improvement in **Lighthouse** dashboard.
- Executed AWS EC2 and Docker container deployments with Git Actions CI/CD pipelines.
- Created roles in **AWS IAM policies** for authorization for the product deployments.
- Collaborated with product team for UX wireframes designs which is designed using FIGMA.
- Executed automation test suites for the product in **Selenium** using **Chrome web driver**.

### Achievements

- Established **Web Socket** message notifications - increased **client satisfaction rate** by 18%.
- **Best Team Player Award** for integrated **Amazon Kafka** to enhance communication between **microservices**, resulting in a better message processing time.

Jan 2019 – Feb 2021

## Senior Frontend JavaScript Engineer

Renault Nissan Business Centre, Chennai, India

- Launched automobile platform **Single-Page Application (SPA)** using **Angular 8+**, **Node.js**.
- Initiated **Firebase Single Sign-On (SSO)** to streamline user **authentications**.
- Orchestrated AWS EC2 deployments with Git CI/CD pipelines including Docker.
- Implemented **NgRx** state management for the system with RxJs reactive library.
- Designed **responsive** or **mobile-first UI** using Angular Material and Bootstrap 5.0.
- Integrated with **Dynatrace tool** for check the performance of server-side API's.
- Configuring **CloudFront** distributions to optimize content delivery and reducing latency.
- Executing test suites using **Jasmine & Karma** for code coverages.
- Defined branch strategy in **Git** for frontend code bases and SONAR configurations.
- Collaborated with product team for defining **user stories** & upcoming **sprint** plans in **Agile**.
- Initiated **Cypress** for End-to-End (E2E) testing for product quality concerns.

### Achievements

- **Best Individual Performer** for introducing **AG Grid** to redesign the product listing page, achieving a **42%** improvement in initial load time.

Jul 2017 – Dec 2018

● **Senior Frontend Engineer**

HCL Technologies, Chennai, India

- Created cross-platform **mobile applications** for fin-tech platform using **React, React Native**
- Implemented complex UI components across **iOS** and **Android** platforms.
- Constructed reusable **HOC (Higher Order Components)** for customized grids.
- **Android Studio** used for app developments and **Google Console** is for deployments.

**Achievements**

- **Best Appreciation award** for migration of a React web to native **mobile app**.

Aug 2014 – Jun 2017

● **Junior Associate – Frontend Engineer**

Orion Innovations, Chennai, India

- Built UI using **Figma** and integrated **40+ Rest APIs** in **AngularJS, HTML, CSS3, JavaScript**.
- Crafted mail templates for notifications through their **CRM** portal which led to increased average visiting time by **2 minutes**.

**EDUCATION**

May 2009- Jul 2012

● Bachelor of Engineering, Electronics and Communication | Anna University, Chennai, India

**LANGUAGE**

● English – Fluent

**CERTIFICATIONS**

● Docker for intermediate | Udemy  
Data Structures Algorithm & Problem Solving | Scalar  
REACT Native advanced hooks with deployment | Udemy

**PERSONAL SKILLS**

- Provide updates to **top management, lead** and co-ordinate with the team
- Confident, articulate, and professional speaking abilities (and experience)
- Empathic listener & **persuasive** speaker, **Influencing**, leading, & delegating abilities
- Leadership - **Managed** teams of multiple resources