





# LINGESHWARAN G

## REACT DEVELOPER

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React portfolio link - <https://lin-react-portfolio.netlify.app/>

**Quality-driven react developer** with robust groundwork in building highly responsive optimized scalable web apps along with firm footing in Javascript, python and django rest framework for developing powerful rest apis and pandas for data processing. Proven ability to furnish new techniques for creating better UI-data manageable synchronized react apps. Adept at quickly debugging and resolving complex technical issues by collaboration with cross-functional teams. Exp in agile methodologies facilitating continual improvements and flexibility with excellent technical abilities offering 3 years of related experience

## SKILLS

**Programming Languages:** JavaScript, Python

**Frameworks/Libraries:** React JS, Redux toolkit, Django rest framework, Pandas

**Testing tool:** Jest, React testing library, Postman

**Web Technologies:** HTML5, CSS, Tailwind CSS, Bootstrap

**Networking:** Rest API, GraphQL

## EXPERIENCE

### REACT DEVELOPER

Jan '22 - Present

#### Tata Consultancy Services

Chennai, TN

- Designated as a React developer crafting a smooth UI utilizing **ES6 features** and **custom hooks**, contributing to a 25% increase in user satisfaction
- Superintended global state management for data layer using **context** and **use reducer combination** reducing the state related bugs and styling UI layer using bootstrap
- Developed **reusable components** and integrated **React Router** features, contributing to a 35% improvement in navigation efficiency and user interaction within web applications
- Unified third-party API and services, including **RESTful endpoints**, streamlining data flow and improving user experience resulting in a 30% faster data retrieval
- Streamlined the build and deployment processes by configuring **Webpack** and **Babel**, resulting in faster development cycles and consistent build environments
- Employed **code splitting**, **lazy loading**, and **search bar caching** resulting in a 40% improvement in application loading times
- Enhanced application performance by profiling and eliminating bottlenecks, using tools like **react profiler** and chrome devtools resulting in a 20% increase in rendering efficiency
- Accelerated the initial app load by optimizing core web vitals, **reducing the LCP** by **inlining assets and styles**, and decreasing the number of network calls by 50%
- Revitalized reconciliation process by implementing **immutable data, keys, and memoizing** performance-critical parts of the app, leading to an 80% more efficient tree conversion
- Optimised the images by using **next-gen Webp formats, progressive JPEG's**, LQIP, caching and on-demand loading reducing the total bytes by 50%
- Performed unit and integration testing on must-go critical parts of the app using Jest and **React Testing Library**, achieving nearly **80% test coverage**
- Refactored large components into smaller, **single-responsibility** components, reducing code complexity by 35% and improving readability by 40%

- Grasping the business logics provided by the clients in user stories and developing a comprehensive timeline and strategic planning for **100% completion of the SDC cycle**
- Inspecting python code through peer reviews and performing **time complexity optimizations** on high computing functions, making it 50% faster
- Restructuring the code to incorporate new updates and versions, followed by **unit testing** and code integrations, and then conducting **integration testing**, resulting in a **code coverage of more than 80%**
- Superintending client expectations by facilitating **20+ high-quality deliverables** and resolving complex defects by closely working with cross-functional teams
- Developed versatile user interface that integrates seamlessly with 100% robust **REST API's** using **Django Rest Framework** triggering **business utility functions**
- Attained efficient database queries using **Django ORM** for data integrity, reducing the number of statements by 80%

PROJECTS

REACT PORTFOLIO

Mar '24 - May '24

[Portfolio Link](#) [React Source Code](#)

- Created a dynamic portfolio with responsiveness at its core, employing **Vite**, **React.js**, and **Tailwind CSS**

REACT DJANGO MOVIE APP

Dec '23 - Mar '24

[Website Demo Link](#) [React Source Code](#) [Django Source Code](#)

- Created a movie app using the fast-rendering **React library** and used **DRF** for **JWT authentication** and authorization
- Implemented **Google auth 2.0** in addition to traditional password auth for a seamless secured sign-in experience for users
- To handle the UI layer, **Tailwind CSS** has been used for rapid UI development (<10kb CSS bundle) and **Shimmer UI** has been applied for better user experience and responsiveness
- Managed data layer using the third-party library **Redux Toolkit** for centralized state management and **Redux Persist** for persisting state across page reloads
- Produced 2 **custom hooks** for reusability and separation of concerns, and utilized **higher-order components** in movie cards to add additional functionality to existing cards
- Incorporated **Debouncing** with 400ms for reducing the number of API calls and also performed **search results caching** through Redux store for the movie search input box

REACT E-COMMERCE APP

Jan '23 - Dec '23

[Website Link](#) [React Source Code](#)

- Designed an E-commerce app using **React** and deployed it on **Netlify**, achieving a 99.9% uptime over the past six months

EDUCATION

Bachelor of Technology - Mechanical Engineering	May '15 - Jun '19
SASTRA Deemed To Be University - CGPA:7.7608/10	Tanjore
Higher Secondary	May '13 - May '15
SRV Matric Hr secondary school - Score:1164/1200(97%)	Trichy
Secondary School	May '12 - May '13
SBIOA Matric Hr Secondary school - Score:486/500(97.2%)	Trichy

ACCOMPLISHMENTS

- Won the **Elevate Wings 1** award for clearing javascript, Python and business skill exams through continual learning