





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 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 identifying, 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, Django rest framework, Pandas

Testing tool: Postman

Web Technologies: HTML5, CSS, Tailwind CSS, Bootstrap

Methodologies: Agile, Scrum

EXPERIENCE

PYTHON DEVELOPER

Feb '22 - Present

Tata Consultancy Services

Chennai, TN

- Assigned as a **Python developer** for Standard Life, which is a part of the UK's 72nd largest long-term savings and retirement business, Phoenix Group
- 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**
- Adopted the flexible **dataframe** data structure in 90% of the code provided by the **Pandas library** for data manipulation, followed by optimized reusable code practices in core Python
- Inspecting logics through peer reviews and performing **time complexity optimizations** on high computing functions, making it 50% faster
- Maintaining the code by periodically **restructuring** it with respect to new updates and versions, followed by **unit testing** and **code integrations** depending upon the user story
- Superintending client expectations by facilitating **20+ high-quality deliverables** and resolving complex defects by closely working with cross-functional teams

PYTHON WEB DEVELOPMENT

Jan '23 - Present

Tata Consultancy Services

Chennai, TN

- Developed a dynamic user interface for Annuity, Life, and Pension calculations to handle **20 or more business workflows**
- Applied **Django forms** for handling policies, which have **50+ inputs** submitted through UI for different business scenarios
- Produced REST API endpoints using **Django Rest Framework** with **ApiView** and **serializers** behind the endpoints, leading to a 100% robust API
- Utilized **dataframe** for the validated JSON and reduced the overall memory usage by 50%
- Presented the results to UI by triggering **business utility functions** and optimized the functions to work 40% faster
- Employed **MySQL** to access legacy static data with more than 5 million rows, which includes charges, rates, and transactions
- Attained efficient database queries using **Django ORM** for data integrity, security, and cleaner code, reducing the number of statements by 80%

REACT DEVELOPER	Apr '21 - Jan '22
Tata Consultancy Services	Chennai, TN
<ul style="list-style-type: none"> Designated as a React developer for Bank of America Tax Reporting system, crafting a smooth UI utilizing ES6 features and custom hooks, contributing to a 25% increase in user satisfaction Employed code splitting, lazy loading, and search bar caching resulting in a 40% improvement in application loading times Developed reusable components and integrated React Router features, contributing to a 35% improvement in navigation efficiency and user interaction within web applications 	

PROJECTS

REACT PORTFOLIO	Mar '24 - May '24
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[Portfolio Link](#) [React Source Code](#)

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

REACT DJANGO MOVIE APP	Dec '23 - Mar '24
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[Website Demo Link](#) [React Source Code](#) [Django Source Code](#)

- Created a movie app using the fast-rendering **React library**, which takes an initial loading time of about 840ms, 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
- Enforced **lazy loading** for movie card images to load the page faster, reducing unnecessary bandwidth usage by 50%

REACT E-COMMERCE APP	Jan '23 - Dec '23
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[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
- Applied **Formik** for simplified form handling without 0% code, and used **React Router** to navigate to different routes
- Centralized the state application-wide using **context** and **useReducer** hook combination for 100% consistency

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 - MARK:1164/1200(97%)	Trichy
Secondary School	May '12 - May '13
SBIOA Matric Hr Secondary school - MARKS:486/500(97.2%)	Trichy

ACCOMPLISHMENTS

- Working as a **backup lead** to ensure continuity, addressing issues and keeping the project on track
- Won the **Elevate Wings 1** award for clearing Python and business skill exams through continual learning