

Bijo George

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PROFESSIONAL SUMMARY

Frontend Developer with 1 year of experience building responsive and high-performance web applications using JavaScript and React.js. Proficient in leveraging AI-assisted development tools such as Cursor and advanced prompt engineering techniques to accelerate development, streamline debugging, and rapidly prototype scalable features. Passionate about creating fast, user-centric, and efficient digital experiences. I want to be a front end developer ..

EDUCATION

Master of Computer Applications (Computer Applications)	2024 - 2026
Modi Institute of Management and Technology	Grade: 8.0/10.0
Bachelor of Computer Applications (Commerce)	2020 - 2023
Career Point University	Grade: 6.2/10.0
Intermediate (Class XII)	2019 - 2020
Emmanuel ,Mission School	Grade: 76.0%
Matriculation (Class X)	2017 - 2018
Emmanuel Mission School	Grade: 69.0%

EXPERIENCE

Frontend Trainee April 2023 - April 2024
Spanco Web Technologies *Kota, Rajasthan, India*

Roles

Responsibilities

- Conducted in-depth **research and analysis of existing web applications** to understand UI/UX patterns, features, and design structures
 - Designed and developed **Shopify applications using Polaris components**, ensuring consistency with Shopify's design system
 - Evaluated and customized **Shopify themes**, including layouts, settings, and visual styling
 - Created and maintained **project file bundles** for structured development and deployment workflows
 - Analyzed and optimized **theme performance**, focusing on speed, responsiveness, and user experience
- Collaborated on translating design references into **functional, responsive UI components**

Key Contributions

- Built Shopify-based interfaces aligned with **Shopify Polaris Design System**
- Improved **theme usability and visual consistency** through design evaluation
- Enhanced **frontend performance** via theme inspection and optimization
- Streamlined development setup through **organized project bundling**

Skills Applied

- JavaScript
- React.js
- Shopify Polaris
- UI/UX Design Interpretation
- Theme Customization
- Performance Optimization
- Responsive Design

INTERNSHIPS

PROJECTS

Reliance Digital Clone ([Github](#)) ([Demo](#))

January 2023

1. Objective and Scope

Objective: To build a full-featured, responsive e-commerce web application that faithfully clones the core functionality and user experience of **Reliance Digital**, India's leading electronics retail chain. The project serves as a comprehensive production-grade application to master modern React architecture and ecosystem tools.

Scope:

1. Authentication

User Management: Complete flow including Registration, Login, Logout, and Forgot Password functionalities using JWT-based authentication managed via global Context.

2. Product Discovery:

- **Browsing:** Organized sections for categories (Mobiles, TVs, Appliances) with horizontal scroll functionality.
- **Search**
Filter: robust search capability with real-time filtering by price, brand, and category, plus sorting options.
- **Product Details:** Rich product pages featuring image galleries, detailed specifications, and user reviews.

3. Shopping Ecosystem:

- **Cart Management:** Global cart state allowing users to add items, update quantities, and remove products with real-time total calculation.
- **Checkout Flow:** A secured, multi-step checkout process (Cart Summary → Shipping Address → Payment Gateway Simulation → Order Confirmation).

4. Interactive Features:

Wishlist functionality, product reviews (add/delete), and dynamic UI components like carousels and modal dialogs.

Finding Insights

1. **Architecture Matters:** Implementing a clear **Presentational vs. Container** pattern (separating UI Components from Logic/Pages) significantly improved code maintainability and readability.
2. **State Management Strategy:** For an app of this size, the **Context API** (split intoAuthContextandCartContext) proved to be a perfect lightweight alternative to Redux, effectively solving "prop drilling" issues while keeping the bundle size smaller.
3. **Defensive Coding is Critical:** Handling inconsistent API responses required strict defensive programming (e.g., optional chainingproduct?.imageand fallback values) to prevent the application from crashing effectively.
4. **Performance Optimization:** UsinguseCallbackfor API functions and memoizing components prevented unnecessary re-renders, which was crucial for keeping the "infinite scroll" and complex forms snappy.
5. **User Experience (UX):** Subtle details like loading states, hover effects, and immediate feedback (e.g., "Added to Cart" snackbars) drastically transformed the app from a simple "project" to a "product" that feels professional.

Skills Demonstrated

1. **Core React:** Functional Components, Hooks (useState,useEffect,useContext,useReducer,useCallback,useRef).
2. **Routing:** Advanced routing with **React Router v7**, including protected routes (for Checkout), dynamic routes (product details), and navigational guards.
3. **UI/UX Design:** Implementing **Material UI (MUI) v7** for a polished design system, utilizingstyled-componentsand Emotion for custom logical styling.
4. **API Integration:** Asynchronous data handling usingfetch/axios, managing loading/error states, and handling RESTful methods (GET, POST, PATCH, DELETE).
5. **Authentication Security:** Managing user sessions with JWT tokens andlocalStorage persistence.
6. **Logic Implementation:** Complex form validation, array manipulation (for cart logic), and currency formatting.

Tools Used

1. **Frontend Framework:** React 19
2. **Build Tool:** Create React App (Webpack/Babel under the hood)
3. **Styling Libraries:** Material UI, Emotion, Styled Components
4. **Routing:** React Router DOM

5. **Version Control:** Git

GitHub

6. **API Backend:** Newton School Academics API (Third-party E-commerce API)

7. **Deployment config:** Netlify (netlify.toml)

Project Impact

- **Professional Simulation:** The project demonstrates the ability to build complex, scalable frontend architectures similar to what is found in enterprise-level e-commerce platforms.
- **Scalable Codebase:** The modular folder structure and component-based design ensure that new features (like a payment gateway or admin dashboard) can be added without rewriting existing code.
- **Responsive Accessibility:** By ensuring the app works flawlessly across mobile, tablet, and desktop devices, it mimics real-world usage scenarios where mobile commerce is dominant.
- **Educational Resource:** The codebase serves as a "living documentation" for best practices in React, bridging the gap between theoretical knowledge and practical application.

SKILLS

Computer Languages: HTML, CSS, JavaScript

Software Packages: React, Node.js, JQuery

Others: Generative AI, Git and Github

EXTRA-CURRICULAR ACTIVITIES

- Participated in blood donation camps. Have also participated in quiz and sports like kabbadi, football, badminton