**Kamlesh Palanichamy**

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**Summary:**

* 11 years of experience in React JS.
* Proficient in modern web technologies including HTML5, CSS3, JavaScript (ECMAScript 6), and jQuery.
* Extensive expertise with popular frameworks such as ReactJS, Angular (from Angular 2.0 to Angular 12), NodeJS, and VueJS.
* Skilled in building single-page applications and interactive components using ReactJS, with state management via Recoil and React-Redux, and routing through React Router.
* Experienced in leveraging ES6 features along with tools like Babel and Webpack for code compilation and optimization.
* Developed full-featured applications using the MEAN/MERN stack (MongoDB, Express, React, Node).
* Advanced knowledge of AngularJS, including creating complex directives, services, controllers, filters, animations, and routing.
* I am familiar with building tools and package managers such as Grunt and npm for efficient project setup and maintenance.
* Strong command of CSS fundamentals—including layouts, positioning, pseudo-classes/elements, and responsive frameworks like Bootstrap and Foundation 4—ensuring cross-browser compatibility and SEO best practices.
* Proven ability to design and develop rich internet applications (RIAs) using web authoring tools and AJAX.
* Experienced with both Waterfall and Agile development methodologies.
* Well-versed in version control systems including SVN, Git, Visual Source Safe, and TFS.
* Adept at hand-coding business web applications in compliance with W3C standards.
* Competent in unit and integration testing, utilizing frameworks such as Cucumber with Gherkin syntax.
* Excellent communicator with strong teamwork and collaboration skills.

**Education:** Bachelor of Engineering in Production Engineering from GCT, Coimbatore, India.

**Technical skills:**

Web Technologies: HTML, HTML5, XSL, XSLT, CSS, CSS3 and XML

Scripting Languages: JavaScript, jQuery, Dojo, PHP, JSON, JSP, Angular 12, Extension JS, jasmine, NodeJS, ReactJS, VueJS

Languages: C, C#, Core Java, PL/SQL.

Web Authoring Tools: Adobe Dreamweaver CS5, AJAX

UI Tools & Technologies: Adobe Photoshop CS5, Adobe Illustrator CS5, Microsoft Visual Source Safe.

Operating Systems: Mac OS, Windows 7 & 10

Other Tools: SAP Commerce Cloud, Sitecore, Postman, JIRA, Confluence, Siebel CRM, Toad, Flow Tool

**Professional Experience**

**Walmart, Remote Sep 2024 to till date**

**Sr. React JS Developer**

**Responsibilities:**

* Employed React JS components, Forms, Events, Keys, Router, Animations, and the Flux concept to create dynamic and responsive UIs.
* Engineered stable React components and standalone functions for seamless integration across web pages.
* Implemented Redux for state management in complex applications, ensuring data consistency and efficient UI updates.
* Spearheaded the development and maintenance of scalable and high-performance user interfaces for 's web applications using React.js.
* Utilized WebSocket for real-time geo-location updates on Google Maps.
* Orchestrated login, authorization, logging, error handling, and other aspects across the application using Node.js
* Created end-to-end tests for Node.js applications using frameworks such as Selenium and Cypress, to validate application functionality.
* Utilized ES6 arrow functions for concise syntax and lexical binding.
* Applied ES6 spread and rest operators for array and object manipulation.
* Managed application state efficiently using Redux, MobX, or React Context API in React Native applications.
* Implemented server-side rendering (SSR), static site generation (SSG), routing, and API integration using Next.js and React.
* Created backend using ExpressJS and included NPM package Axios to get results from multiple search APIs.
* Integrated server-side routing with Express.js for effective HTTP request management.
* Implemented secure authentication mechanisms (JWT, OAuth) and conducted security assessments to prevent SQL injection, XSS, and CSRF, ensuring robust application security.
* Integrated GraphQL schema and queries to accurately retrieve data and depict the online application's structure.
* Integrated SOAP web services to enhance backend connectivity.
* Hosted the online application on Amazon Web Services (AWS), leveraging Amazon EC2 and AWS Elastic Beanstalk for deployment.
* Containerized components of the online app using Docker and integrated Docker into the CI/CD pipeline for automation.
* Utilized Kubernetes Services to streamline communication between frontend and backend services.
* Implemented MongoDB as the primary database for managing unstructured or semi-structured data.
* Configured build tools like Babel, Webpack, Parcel, and Vite to optimize assets for production deployment.
* Implemented SOAP client functionality within the front-end codebase using JavaScript-compatible libraries.
* Configured Webpack, Parcel, and Vite as the build tools to bundle and optimize the web app&39; s assets, including JavaScript, CSS, images, and fonts, for production deployment.
* Designed and implemented serverless architectures using AWS Lambda, SQS, and SNS services.
* Written AWS Lambda functions in TypeScript to handle various application logic and event-driven processes.
* Utilized Jest as the primary testing framework for unit tests and Enzyme for React component rendering.
* Consumed RESTful APIs to manipulate data within React applications.
* Implemented the Flux architecture pattern to manage data flow in the web app.
* Provided actionable insights based on A/B test outcomes to optimize website performance.
* led the design and implementation of microservices architecture that improved system scalability and reduced deployment times by 50%.

**Environment:** React.js, Express.js, MongoDB, Redux, Node.js, Next.js, GraphQL, HTML5, CSS3, Bootstrap, SASS, JavaScript, jQuery, JSON, Tailwind Css

**Hartmann Direct, Trivandrum, India Nov 2021 – Aug 2024**

**Sr React Developer**

 **Responsibilities:**

* Developed the user interface for the Hartmann Direct website using ReactJS, creating a smooth ecommerce application experience.
* Demonstrated a proof of concept for integrating ReactJS with SAP Commerce Cloud, showcasing enhanced UI capabilities tailored for the Hartmann Direct platform.
* Migrated legacy UI components to ReactJS, aligning design and functionality with the evolving business requirements of SAP Commerce Cloud.
* Implemented state management solutions (e.g., Recoil or React-Redux) to efficiently handle complex UI states across the application.
* Utilized React Router to facilitate dynamic routing and seamless navigation within the Hartmann Direct single-page application.
* Configured Babel and Webpack for the efficient compilation and bundling of JSX and ES6 code, optimizing performance and maintainability.
* Employed Material UI alongside SAP Commerce Cloud design standards to ensure consistent styling and a responsive, user-friendly interface.
* Utilized Sitecore CMS for content management, ensuring seamless integration of UI components and personalized customer experiences.
* Worked with Postman for API testing and debugging, ensuring seamless communication between the front-end and SAP Commerce Cloud APIs.
* Integrated UI components with SAP Commerce Cloud APIs to fetch and update data in real time, maintaining synchronization between the front end and back-end services.
* Optimized front-end performance by analyzing page load times and refining code to handle large volumes of product data and customer interactions.
* Collaborated closely with back-end teams to secure and implement the necessary APIs for seamless data integration.
* Applied Test-Driven Development (TDD) practices, utilizing tools like Cucumber and Gherkin syntax to validate business requirements ahead of development.
* Ensured cross-browser compatibility and adherence to best practices through rigorous testing on popular browsers and devices.
* Leveraged Browser Stack for comprehensive mobile testing, ensuring the UI performs seamlessly across a wide range of mobile devices and operating systems
* Managed tasks and Agile workflows using JIRA, tracking project progress and coordinating development activities efficiently.
* Utilized Confluence for documentation, maintaining project-related design guidelines, API references, and development best practices.
* Participated in all phases of the Agile development lifecycle—from initial design and development to testing and deployment—consistently meeting tight deadlines.

**Environment:** React 16.0, SAP commerce Cloud, Internal DB, Material UI, Gherkin syntax, cucumber testing, API, Browser stack, SOAP UI, jQuery, NodeJS, AJAX, JSON, GIT and Xcode tools.

**Debenhams, Trivandrum, India Apr 2019 - OCT 2021**

**Sr React JS Developer**

Responsibilities:

* Designed and implemented modular React components to bolster code reusability and maintainability across projects, streamlining development processes and ensuring consistency.
* Employed React.js state and props mechanisms effectively to manage component data flow, guaranteeing accurate rendering and seamless interaction within the application.
* Utilized React.js capabilities to craft responsive and visually appealing user interfaces adaptable to various screen sizes and devices, enhancing accessibility and user experience.
* Implemented React Router to establish dynamic client-side routing, facilitating smooth navigation between different views and pages within the application, thus improving user engagement and usability.
* Leveraged React.js virtual DOM to optimize rendering performance, reducing DOM manipulations and enhancing overall application speed and responsiveness.
* Integrated geospatial data visualization features within the React.js application, including map rendering, layer display, and style customization.
* Retrieved geospatial data from GeoServer's REST API or other sources and integrated it seamlessly into the React.js application.
* Employed Redux for centralized state management in complex applications, ensuring predictable state changes and simplified data flow between components, thereby enhancing code maintainability and scalability.
* Oversaw the deployment of React Native applications to app stores (Google Play Store, Apple App Store) and managed the app release process.
* Optimized React Native applications for enhanced performance, focusing on reducing bundle size, improving rendering speed, and minimizing memory usage.
* Designed, developed, and tested HTML5, CSS3, Bootstrap, JavaScript, jQuery, and React.JS applications, ensuring compliance with accessibility and web browser standards.
* Managed front-end dependencies using Node.js-based package managers such as npm or Yarn, ensuring consistency and version control of third-party libraries used in the project.
* Implemented Node.js-based CI/CD pipelines with tools such as Jenkins, Travis CI, and GitLab CI/CD, automating build, testing, and deployment procedures for faster release cycles and improved deployment workflows.
* Created RESTful APIs with Express.js to interface with backend services and databases, serving static files (including HTML, CSS, JavaScript, and pictures).
* Utilized GraphQL with backend services and databases like PostgreSQL and SQL to establish a unified API for the web app.
* Deployed using Azure App Service, automating construction, testing, and deployment with Azure Devops CI/CD pipelines, and managing relational data in Azure SQL Database.
* Implemented Agile approaches such as Scrum or Kanban into Jira, supporting iterative development cycles, sprint planning, daily stand-ups, and sprint reviews to ensure timely delivery of features and enhancements.
* Utilized Jenkins to execute automated tests during construction and incorporated unit, integration, and end-to-end testing to assure web app quality before release.
* Embedded images and multimedia content using HTML5 tags and employed CSS3 animations and transitions to enhance interactivity and user experience.
* Employed JavaScript event listeners to buttons or input fields to perform actions such as form submission, UI updating, or data fetching from the server.
* Leveraged TypeScript for frontend development, including building web applications and components within larger applications using frameworks like Angular and React.js.
* Collaborated with the Backend team to display data using custom components, library components, and Redux, optimizing API calls and integrating RESTful services.
* Integrated web services (SOAP and RESTful) for efficient data transmission, potentially leveraging MongoDB, and Express.js for backend API development and management.
* Utilized Git for version control and implemented data access layers using ADO.NET for database interactions.
* Created and executed SQL Server stored procedures using ADO.NET, tracked and managed bugs/issues using JIRA, and wrote unit tests using the Jasmine framework.
* Conducted thorough manual testing to identify bugs and ensure functionality using JIRA, Bugzilla, Trello
* Designed A/B test scenarios to compare different versions of web pages or features using tools Google Analytics, Optimizely, Adobe Target
* Conducted unit tests or integration tests for TypeScript code using testing frameworks like Jest, Jasmine, or Mocha.

**Environment:** React.js, Express.js, MongoDB, Redux, Next.js, Node.js, GraphQL, HTML5, CSS3, Bootstrap, SASS, JavaScript, jQuery, JSON, Tailwaind Css

**DHL, Trivandrum, India Jan 2016 to Mar 2019**

**React Developer**

**Responsibilities:**

* Designed and implemented modular React components to bolster code reusability and maintainability across projects, streamlining development processes and ensuring consistency.
* Employed React.js state and props mechanisms effectively to manage component data flow, guaranteeing accurate rendering and seamless interaction within the application.
* Utilized React.js capabilities to craft responsive and visually appealing user interfaces adaptable to various screen sizes and devices, enhancing accessibility and user experience.
* Implemented React Router to establish dynamic client-side routing, facilitating smooth navigation between different views and pages within the application, thus improving user engagement and usability.
* Leveraged React.js virtual DOM to optimize rendering performance, reducing DOM manipulations and enhancing overall application speed and responsiveness.
* Integrated geospatial data visualization features within the React.js application, including map rendering, layer display, and style customization.
* Retrieved geospatial data from GeoServer's REST API or other sources and integrated it seamlessly into the React.js application.
* Employed Redux for centralized state management in complex applications, ensuring predictable state changes and simplified data flow between components, thereby enhancing code maintainability and scalability.
* Oversaw the deployment of React Native applications to app stores (Google Play Store, Apple App Store) and managed the app release process.
* Optimized React Native applications for enhanced performance, focusing on reducing bundle size, improving rendering speed, and minimizing memory usage.
* Designed, developed, and tested HTML5, CSS3, Bootstrap, JavaScript, jQuery, and React.JS applications, ensuring compliance with accessibility and web browser standards.
* Implemented Node.js-based CI/CD pipelines with tools such as Jenkins, Travis CI, and GitLab CI/CD, automating build, testing, and deployment procedures for faster release cycles and improved deployment workflows.
* Created RESTful APIs with Express.js to interface with backend services and databases, serving static files (including HTML, CSS, JavaScript, and pictures).
* Utilized GraphQL with backend services and databases like PostgreSQL and SQL to establish a unified API for the web app.
* Deployed using Azure App Service, automating construction, testing, and deployment with Azure Devops CI/CD pipelines, and managing relational data in Azure SQL Database.
* Implemented Agile approaches such as Scrum or Kanban into Jira, supporting iterative development cycles, sprint planning, daily stand-ups, and sprint reviews to ensure timely delivery of features and enhancements.
* Utilized Jenkins to execute automated tests during construction and incorporated unit, integration, and end-to-end testing to assure web app quality before release.
* Embedded images and multimedia content using HTML5 tags and employed CSS3 animations and transitions to enhance interactivity and user experience.
* Employed JavaScript event listeners to buttons or input fields to perform actions such as form submission, UI updating, or data fetching from the server.
* Leveraged TypeScript for frontend development, including building web applications and components within larger applications using frameworks like Angular and React.js.
* Collaborated with the Backend team to display data using custom components, library components, and Redux, optimizing API calls and integrating RESTful services.
* Integrated web services (SOAP and RESTful) for efficient data transmission, potentially leveraging Node.js, MongoDB, and Express.js for backend API development and management.
* Utilized Git for version control and implemented data access layers using ADO.NET for database interactions.
* Created and executed SQL Server stored procedures using ADO.NET, tracked and managed bugs/issues using JIRA, and wrote unit tests using the Jasmine framework.
* Conducted thorough manual testing to identify bugs and ensure functionality using JIRA, Bugzilla, Trello
* Designed A/B test scenarios to compare different versions of web pages or features using tools Google Analytics, Optimizely, Adobe Target
* Conducted unit tests or integration tests for TypeScript code using testing frameworks like Jest, Jasmine, or Mocha.

**Environment:** React.js, Express.js, MongoDB, Node.js, Redux, Next.js, GraphQL, HTML5, CSS3, Bootstrap, SASS, JavaScript, jQuery, JSON, Tailwaind Css

**British Telecom, Chennai, India May 2013 – Dec 2015**

**React Developer**

**Responsibilities:**

* Implemented React JS Virtual DOM and developed React views and components, including the utilization of custom HTML tags for complex UIs.
* Created various screens for the frontend with React.js, leveraging predefined components from NPM and the Redux library for modular and scalable architecture.
* Researched and evaluated JavaScript-based frameworks like React Native and Ionic/Cordova for frontend development to determine the most suitable tools for project requirements.
* Configured Node.js to serve static assets such as images, fonts, and client-side JavaScript files, optimizing load times and enhancing caching strategies for improved performance.
* Integrated GraphQL with backend services and databases to establish a unified API for the web app, enhancing data retrieval efficiency and scalability.
* Implemented SOAP authentication mechanisms, such as WS-Security, to ensure secure communication between the frontend application and SOAP-based services, safeguarding sensitive data.
* Configured Webpack to execute a variety of build tasks such as linting, minification, preprocessing, testing, and transpiling based on the build target, improving development workflow efficiency.
* Demonstrated expertise in TypeScript, including the ability to write type-safe code, utilize advanced features like generics and decorators, and leverage TypeScript's static typing to detect errors early in the development process.
* Employed the Flux pattern using the Redux framework for predictable state management, ensuring consistent application behavior.
* Integrated PostgreSQL and SQL Server databases into the web app to manage structured data such as user accounts, transactions, and inventory information effectively.
* Maintained AWS infrastructure components such as EC2, RDS, SQS, and Lambda, ensuring scalability and reliability of the cloud infrastructure.
* used AWS CDK to define cloud infrastructure as code (IaC) using TypeScript constructs.
* Hands-on experience in provisioning and managing AWS resources such as Lambda functions, SQS queues, and SNS topics using CDK.
* Conducted integration tests with Enzyme, Cypress, and Karma to validate interactions between React components, Redux stores, and external services, ensuring smooth data flow and UI behavior.
* Integrated testing frameworks like Jest, Mocha, and Cypress into CI/CD pipelines using tools like Jenkins, Travis CI, or GitLab CI/CD, automating the testing process and ensuring code quality and stability with every commitment.
* Built pipelines using Grunt or Gulp to streamline the development process, ensuring consistent and efficient buildings across different environments.
* Developed and deployed over 20 microservices using Docker, ensuring seamless integration and communication through RESTful APIs.
* Regularly communicated updates to the business team and project managers via an Agile (Scrum) development team, ensuring transparency and continuous progress.

**Environment:** React.js, Express.js, MongoDB, Redux, Node.js, Next.js, GraphQL, HTML5, CSS3, Bootstrap, SASS, JavaScript, jQuery, JSON, Tailwaind Css