**Pallavi Garikapati**

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**Professional Summary:**

* More than 11 Years of progressive experience in all phases of software development life cycle including requirements analysis, applications design, development, Integration, maintenance and testing of various client/server web applications.
* Experienced as User Interface/Front End Developer in developing applications using HTML, HTML5, CSS, CSS3, JavaScript, jQuery, Ajax, JSON, React JS, Redux, Firebase, MongoDB, React, Angular 2/4, NextJS and Angular JS.
* Experience as a Technical Lead coordinating with Onshore Business and Offshore programmers.
* Involved in Understanding functional specifications and developing creative solutions to meet business requirements.
* Good Understanding of Node.js, Express.js, socket.io, Mongoose, Firebase, MongoDB, DB Design, DB normalization and writing SQL queries with RDBMS like MySQL, MySQL databases.
* Skilled in leveraging NextJS for server-side rendering and static site generation to optimize performance.
* Good Understanding of with unit testing frameworks like JEST, Enzyme, Jasmine, Seleniumand Mocha.
* Good understanding of making AJAX calls and management of JSON data in application.
* Good Understanding of building the Android and IOS Applications using Angular JS 2.0 and Angular JS 4.0.
* Leveraged Hooks such as useState, useEffect, and useContext to manage state and side effects in functional components, enhancing code readability and maintainability.
* Good understanding in building Single Page Application (SPA).
* Good Understanding in building the React, AngularJS 2 and AngularJS 4 applications using Typescript.
* Developed many POC in React and Angular applicationsand integrated them into the application
* Good Understanding of developing the React Applications from scratch using Webpack.
* Good knowledge in styling of applications using Bootstrap, CSS, SASS, SCSS, LESS, ANTD, Material CSS,

**Technical Expertise:**

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| --- | --- |
| **Web Technologies** | HTML/HTML5, CSS2/CSS3, JavaScript, AJAX, jQuery, JSON, AEM 6.1, 6.2 |
| **JavaScript Libraries and framework** | ReactJS, NextJS, Node JS, AngularJS 2.0, Angular 7/8/9, Bootstrap, CSS, SASS, SCSS, LESS, ANTD, Material CSS, Styled-JSX, Styled components, React Web, Inline JSX styles, Grommet and Material UI. |
| **IDE & Tools** | Eclipse, WebStorm, Notepad++, Sublime Text, Visual Studio, Notepad++, Visual Studio Code. |
| **Operating System** | Windows 98/2000/XP/Vista/7/8, MAC OS X |
| **Testing** | Jest, Enzyme, Mocha, Jasmine, Karma, Selenium. |
| **Version Controls** | CVS, SVN, GitHub, Bitbucket, GitLab. |
| **Database** | MYSQL, MSSQL, MongoDB |

**Work Experience:**

**Client: State Farm- Bloomington, IL May 2022-Present**

**Role: Senior UI Developer**

**Responsibilities:**

* Worked on an Agile Development Team to deliver regular updates to business team and project managers.
* Involved in designing and developing the web pages using HTML 5, CSS3, JavaScript, Bootstrap, SASS, LESS, React.js, Redux, and Flux.
* Implemented ADA and WCAG-compliant web designs, ensuring all interfaces are accessible to users with disabilities.
* Conducted accessibility audits using tools like Lighthouse, Axe, and Wave to identify and resolve compliance issues.
* Collaborated with UX/UI designers to create inclusive designs that support screen readers, keyboard navigation, and colour contrast requirements.
* Involved in making the application Responsive using Bootstrap and used LESS preprocessor.
* Responsible to Style, look and feel of the web page with SASS that extends CSS with dynamic behavior such as variable, mixing, operations, and functions.
* Built server rendered React applications using NextJS frameworks for SEO and performance.
* Created NextJS API routes to access server-side data and integrate with external APIs.
* Worked on React JS Virtual Dom and React views, rendering using components which contains additional components called custom HTML tags.
* Demonstrated expertise in React.js, with over 3 years of hands-on experience.
* Developed reusable and efficient components using React.js to build interactive and dynamic user interfaces.
* Developed Single Page applications using React using components, directives using Typescript.
* Developed and maintained scalable web applications using Spring Boot, enhancing performance and user experience.
* **Proficient in React Hooks** Extensive experience with core React Hooks such as useState, useEffect, useContext, useReducer, and useRef to manage component state, side effects, and context in functional components.
* Implemented server-side caching mechanisms using Node.js and caching libraries like Redis, improving application performance and reducing database load.
* Developed RESTful APIs in Node.js to enable seamless communication between frontend and backend systems, ensuring efficient data exchange.
* Responsible for React UI and architecture. Building components library, including Tree, Slide-View, and Table Grid.
* Implemented RESTful APIs with Spring Boot to facilitate seamless communication between front-end and back-end systems.
* Utilized useEffect for data fetching and subscription management, enabling dynamic updates and real-time data representation in the UI.
* Developed CSS3 style sheets to give gradient effects like page layouts, navigation, and icons.
* Implemented the Drag and Drop functionality using React-Draggable.
* Used React flux to polish the data and for single directional flow.
* Implemented flux pattern by using Redux framework as a core dependency.
* Transitioned class components to functional components with hooks, improving code simplicity and aligning with modern React best practices.
* Created components, modules and directives using Angular 4.
* Used React-Autocomplete for creating google map’s location search on the webpage.
* Used Putty to access Web Servers and make code deployments.
* Implemented server-side authentication and authorization using Node.js and Passport.js, ensuring secure access to sensitive data.
* enhanced scalability, maintainability, and performance.
* Optimized website performance, reducing load times and improving page speed by up to X% using techniques like lazy loading, image optimization, and code splitting.
* Utilized performance monitoring tools (e.g., Lighthouse, WebPageTest) to track and enhance web performance metrics.
* Implemented caching strategies and minimized HTTP requests to improve performance and enhance user experience.
* Developed server-side application using Node.js with NPM package management system.
* Followed JIRA for tracking processes and streamlining agile planning.
* Used MongoDB extensively to visually explores the data and interact with data with full CRUD functionality.
* Collaborated with UX/UI designers to translate design concepts into web-ready assets using Adobe tools, ensuring consistency and quality in the design elements.
* Design, Concept, Wireframe and Prototype 2D/3D user-interfaces for GIS asset management application.
* Managed asynchronous operations, data fetching, and error handling within functional components using useEffect and custom hooks.
* Configured Cisco IOS Feature Set, NAT and Simple Network Management Protocol (SNMP) for Network Security implementation.
* Implemented token based auth on the UI by using browser sessions.
* Build UX Design, Axure, Photoshop, prototype, style guides, Figma, atomic.
* Expertise in React-Redux using actions, reducers, stores, and view.
* Performed Unit testing on React JS applications.
* Used map State to Props, map Dispatch to Props for the interactions between Redux and React.
* Worked with VUE JS Forms, Validations, Modules, Components, directives, controllers and HTTP Request
* Participated in continuous integration and deployment (CI/CD) pipelines that included Node.js applications, ensuring efficient code delivery.
* Integrated React and Redux to keep track of application state with stores.
* Responsible for developing the React Native view components and integration.
* Used React JS for templating for faster compilation and developing reusable components.
* Used React flux to polish the data and for single directional flow.

**Environment:** React.js, Redux, Node JS, JavaScript, jQuery, HTML5,React native, CSS3, JSON, Bootstrap, NPM, Gulp, SSRS, GitHub, JIRA, Crucible, Agile methodologies.

**Client: T-Mobile- Atlanta, GA Feb 2020- April 2022**

**Role: Senior UI developer**

**Responsibilities:**

* Involved in development of User Interface using HTML, CSS, TypeScript, jQuery, AJAX, JSON, React Extensive manual evaluation and validation techniques provide remediation.
* Developed reusable and efficient components using React.js to build interactive and dynamic user interfaces.
* Deployed, managed, and scaled web applications using Azure services such as Azure App Service, Azure Functions, and Azure SQL Database.
* Experience with Azure DevOps for CI/CD pipelines, automating build and release processes, and managing infrastructure as code with ARM templates and Terraform.
* Monitored application performance and diagnostics using Azure Monitor, Application Insights, and Log Analytics.
* Developed the communication between server and the newly merged app. Worked on memory management using ARC in Swift.
* Designed and implemented CI/CD pipelines, enabling faster delivery and continuous integration using tools like Azure DevOps, Jenkins, or GitLab CI.
* Implemented Static Site Generation (SSG) in NextJS for fast performance across pages.
* Experience with containerization and orchestration technologies like Docker and Kubernetes for scalable deployment.
* Designed custom hooks to encapsulate reusable logic, promoting code reusability, and reducing redundancy across components.
* Utilized configuration management tools like Ansible or Terraform to streamline infrastructure deployment and manage cloud environments efficiently.
* Write Scope scripts and PowerShell scripts to fulfil the requirements.
* Java 8, REST APIs, RPC protocols, Unix, Scala, Kotlin, Go, Rust, C#, Ruby, Python, HTML, client and server-side JavaScript, CSS, Domain-Driven Design (DDD).
* **Utilized Helm charts** for package management, enabling streamlined application deployment and configuration
* Utilized useRef to directly interact with DOM elements and preserve values across renders, enabling more efficient handling of form elements, animations, and focus management.
* Developing Restful web APIs by taking the service API from backend team and integrating to the View.
* Responsible for working on Windows PowerShell 5.0 is backward-compatible. Cmdlets, providers, modules, snap-ins, scripts, functions, and profiles dat were designed for Windows PowerShell.
* Created React JS for reusable components (multi-field form elements, background file uploads.
* Implemented page routing with the use of React Router to create a Single Page Application (SPA) for quick, responsive pages and dynamic navigation through the menu.
* Used Redux-Sagas to manage side effects in React + Redux.
* Leveraged NextJS Link component for client-side navigation and route handling.
* Managed client-side state with React Hooks and server-side state with NextJS getServerSideProps.
* Implemented server-side caching mechanisms using Node.js and caching libraries like Redis, improving application performance and reducing database load.
* Demonstrated expertise in React.js, with over 3 years of hands-on experience.
* Developed reusable and efficient components using React.js to build interactive and dynamic user interfaces.
* Conducted performance profiling and optimization using browser developer tools and React-specific tools to identify and resolve bottlenecks.
* Solely responsible for setting up of development environment for Node.js and MongoDB.
* Crafted UI components from design using React Storybook to isolate components and display their interactions using props.
* Used React JS with Redux to separate data and presentation layer. Utilized Redux stores to handle the states.
* Involved in meetings like iterative application development, weekly sprints, daily stand-up meetings, retrospectives, and backlog refinement.

**Environment:** ReactJS, TypeScript, Node JS, JavaScript, jQuery, HTML5, CSS3, NextJS, JSON, NPM, Bitbucket, GIT JIRA, Splunk, Agile.

**Client: Bank of New York Mellon- Pittsburgh Oct 2018– Jan 2020**

**Role: Senior UI developer**

**Responsibilities:**

* Worked on an Agile Development Team to deliver regular updates to business team and project managers.
* Worked as teh User Interface Developer in teh AEM team for migrating teh Confidential ’s website to AEM 5.6
* Using Cascading style sheets and third-party libraries to style the web applications.
* Working on design of Restful Software services and used sql database at the back end to store the data.
* Used React JS for templating for faster compilation and developing reusable components.
* Implemented the Drag and Drop functionality using React-Draggable.
* Worked on responsive design and developed a responsive website that could be served to desktop, Tablets and mobile users using React.js.
* Spearheaded the design and development of new front-end applications within a Micro Frontend architecture.
* Setting up AEM service as a windows service and troubleshooting.
* Utilized React JS for building fast and interactive user interfaces while following best practices outlined by the team lead.
* Implemented a Micro Frontend platform to modularize and scale the development of various application components.
* Designed and developed reusable React components that adhere to Micro Frontend principles, allowing for independent deployment and maintenance.
* Collaborated with cross-functional teams to define Micro Frontend standards and guidelines for consistent and efficient development across projects.
* Ensured seamless integration of Micro Frontend components, providing a cohesive user experience across the entire application suite.
* Contributed to the optimization of existing API calls, enhancing the efficiency of Micro Frontend applications.
* Participated in code reviews and contributed to best practices in Spring Boot development, enhancing team productivity and code quality.
* Applied responsive design principles to ensure the scalability and adaptability of front-end components to various screen sizes within the Micro Frontend platform.
* Worked with backend engineers to optimize existing API calls to create efficiencies by deprecating unneeded API calls.
* Called the Restful web services calls for POST, PUT, DELETE and GET methods.
* Have worked on Azure to fetch the files from Azure to UI.
* Used React flux to polish the data and for single directional flow.
* Communicating with developer about the requirements that are needed to be followed during the development of Software application.
* Created responsive HTML, CSS, jQuery and JavaScript components integrated with AEM.
* Worked closely with AEM developers to write code in slightly for Analytics Events
* Participated in daily meeting for enhancing the features of application and participated in code reviews and given suggestion to other developers.
* Used React JS for building Single Page web applications (SPA).
* An excellent understanding of JavaScript, the DOM and popular frameworks.
* Used jQuery to navigate to different pages of the application using DOM elements, and to create AJAX pages.
* Used Pagination component of jQuery for navigation and used DOM and AJAX to display page contents
* Responsible for design and development of various components such as tab bars, map view, image picker, date picker, push notifications, sign-in/out features, profile management and navigation using react.
* Utilized Node.JS and Express to create Restful API’s.
* Used Redux to maintain state of react application. Used Redux-Saga for asynchronous calls in the different applications
* Used Redux-Promise in application to retrieve data from Back-End.
* Extensively worked on building animated screens for good user experience in React.
* Used Redux for managing the state of the applications.
* Experience with one or more modern JavaScript client-side frameworks – EmberJS, React, and Backbone.
* Used SASS, React Base, Inline JSX styles, CSS, Styled Components, Styles-JSX, React Web, Material-UI, Grommet, Backbone, and Bootstrap for styling the components.

**Environment:** HTML, CSS, SASS, AEM, Responsive Web Design, React JS, AJAX, REST, GitLab, Redux, SASS, Material UI, React Web, styled-components, JIRA, Typescript, JEST, Node JS.

**Client: Coresonant, Hyderabad, India April 2016 – May 2018**

**Role: UI developer**

**Responsibilities:**

* Worked on an Agile (Scrum) Development Team to deliver regular updates to business team and project managers.
* Developed Front End Pages Using HTML, CSS and JavaScript, Web design and development.
* Designed and developed the UI layout and front-end programming for web application that matches the wireframes using the latest HTML5, CSS3, Node.JS, GraphQL and AngularJS.
* Good knowledge of developing GUI based application using Swings and Java Applets.
* Implemented new CSS3 features like multi-column layout, gradients, and web fonts, transform and transpose.
* Performed various Validation Controls for forming validation and implemented custom validation controls with JavaScript and with AngularJS using custom directives.
* Twitter Bootstrap is used for creating responsive web design for varying screen sizes and devices.
* Develop services with a multi-region strategy deployed on AWS to achieve 99.99+ availability
* Good experience in implementing MVC frameworks like AngularJS for AJAX data calls using the $http service.
* Experience in design and implementation REST API-based micro-services using Java, Spring Boot, and Gradle experience with CI/CD pipelines (Git, Jenkins, JFrog, Artifactory)
* Expertise in developing Single Page Applications (SPA) and creating Custom Directives, Filters and Factory, Provider, Service functions in Angular 2 to reuse components in different parts of the application.
* Designs and debugs mobile application issues.
* Experience with RESTful API design and/or GraphQL
* Understand benefits and pitfalls associated with distributed systems, microservices architectures, and “serverless”
* Experience in microservices development and usage of tools, soap UI and API tools.
* Worked with the SASS/SCSS pre-processor to simplify writing the CSS styling.
* Carried out Server-Side backend operations using Node.js and Java, and used Scala to support functions, immutable data structures and preference for immutability over mutation.
* Involved in matters relating to Angular 2 to ensure products were released in a timely fashion and that the code remained organized.
* Created Typescript reusable class and services to consume REST API services.
* Leveraged Angular JS resources for all data access, encapsulating URLs and standardizing data access interfaces.
* Developed JSP’s, HTML that presents data to the client using JSTL and Tag Libraries.
* Experience in the use of various relational databases like Oracle, DB2, SQL Server and NoSQL databases like MongoDB, Cassandra.
* Waterfall methodology has been followed. Experienced with stand-up, Retrospective meetings.

**Environment:** - HTML 4, 5, CSS 2, 3, jQuery, JavaScript, Python, Typescript, Ajax, JSP, HTML, SASS, Rest API, Dreamweaver, AngularJS, Angular 2/4, bootstrap, agile, Spring boot, Oracle, Microservices, GraphQ, MongoDB, SQL, Jira, GIT, Site-Core, EC2, S3, JUNIT, rally, mocha Putty, Jenkins, Grunt, Gulp, Tomcat, Scrum, and WebSphere.

**Client: Enterpi Software Solutions (Fintech)- Pune, IN April 2013 – March 2016**

**Role: UI developer**

**Responsibilities:**

* Worked on an Agile (Scrum) Development Team to deliver regular updates to business team and project managers.
* Created and deployed new features to sustain and amend existing applications under MVC pattern using Node.JS, Angular, Bootstrap and Express.
* Developed the Front end by using Angular JS and JavaScript.
* Developed the backend by using Node JS, express and MongoDB.
* Developed cross-browser/platform HTML 4/5, CSS 3, and JavaScript to match design specs for complex page layouts while adhering to code standards.
* Developed client side drop down menus, search bars, carousel, and drop-down toggles using Twitter-Bootstrap and ¡Query.
* Developed multiple POCs to create an interface between Backend to Frontend by using MongoDB, Express JS, Angular JS and Node.js.
* Worked with mongoose.js for database communication with MongoDB.
* Responsible for parsing JSON data to & from the server for presentation & storage purposes in the project.
* Responsible for creating RESTFUL Web Services to serve data to the front-end application in JSON format.
* Used Local Storage to store & retrieve insensitive user data during transition between the different pages.
* Developed client-side validation code using JavaScript and Query.
* Have worked on AWS to integrate the server side and client-side code.
* Responsible to for making the pages dynamic using AJAX, JSON, and Query.
* Experience in RESTful web services to integrate between HRMS, Finance and MM.
* Handled the status of the project in a timely manner concisely.
* Worked with JASMINE unit test framework to write unit tests for JavaScript code.
* Involved in complete SDLC - Requirement Analysis, Development, System, and Integration Testing.
* Handled cross browser/platform compatibility issues (IE, Firefox, and Safari) on both Windows.
* Used JIRA to keep track of outstanding bugs to reduce downtime, increase productivity, and improve communication.

**Environment:** HTML5, CSS3, JavaScript, MongoDB, Express JS, AngularJS, Node.js, jQuery, Handlebars, Backbone JS, RWD, Eclipse, WebMatrix, JSP, Adobe Photoshop, MS Office, and HP Quality Center.