**GAYATHRI N**

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**SUMMARY:**

* **Accomplished UI/UX-Focused Front-End Developer** with **5 years of expertise** in architecting, designing, and developing **high-performance, user-centric web applications** using **React.js, TypeScript, JavaScript (ES6+), Redux, and Next.js**.
* Proven ability to **craft pixel-perfect, highly interactive, and visually appealing user interfaces** by leveraging **Figma, Sketch, Axure, Zeplin, and Adobe XD**, ensuring seamless user experiences and accessibility compliance (**WCAG, ADA**).
* **Exceptional problem-solving and analytical skills**, transforming complex business requirements into intuitive and scalable UI solutions that drive engagement and user retention.
* Expertise in **building reusable component libraries and scalable design systems**, ensuring UI consistency, maintainability, and rapid development across projects.
* Adept at **A/B testing, behavioral analytics, and user research**, applying data-driven insights to optimize design decisions and improve conversion rates.
* **Hands-on experience in API integrations** (RESTful, GraphQL) and performance tuning through **lazy loading, code-splitting, and advanced caching strategies** to enhance application responsiveness.
* Implemented authentication mechanisms like **OAuth, JWT being a Security-focused developer** and enforcing best practices for data protection and integrity.
* Collaborated closely with **product managers, engineers, and stakeholders** to align UX strategies with business goals while mentoring teams on UI/UX best practices **Agile and cross-functional team**.
* Passionate about crafting **human-centered designs** by blending UI/UX best practices, user psychology, and behavioral analytics to create **intuitive, accessible, and high-converting experiences**.
* Highly skilled in collaborating with **UX designers, product managers, and developers** to ensure flawless translation of wireframes and prototypes into pixel-perfect, **responsive web applications** while maintaining design integrity.
* Specializing in **building and maintaining enterprise-level, reusable component libraries and design systems**, ensuring **long-term consistency, maintainability, and efficiency** across large-scale projects.
* Strong problem-solving skills, attention to detail, and effective communication with cross-functional teams. Passionate about delivering **user-centric** web applications with a focus on performance, accessibility, and maintainability.

**EDUCATION**

**Master of Science in Computer Engineering**

University of South Florida

**Bachelor of Technology in Electronics and Communication Engineering**

Vignan Nirula Institute of Technology and Science

**SKILL SET**

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| **Web Technologies** | HTML, HTML5, CSS3, SASS, XHTML, XML, JavaScript, AJAX, jQuery, WordPress,Typescript, JSON, Twitter Bootstrap, React JS, Redux JS , Flex, Express JS, Node.js, Google Analytics,GitHub |
| **UX Skills** | Wireframing, Prototyping, User Research, User Journey Mapping, Information Architecture, A/B Testing, Usability Testing, Accessibility (WCAG, ADA), Design Thinking, Behavioral Analytics |
| **UI/UX & Design Tools** | Figma, Adobe Photoshop, Illustrator, CorelDraw, Dreamweaver, Zeplin, Axure |
| **IDE’s** | Eclipse, Visual Studio Code, Notepad++, WebStorm, Sublime. |
| **Debugging tools** | Firebug, Chrome Developer Tools. |
| **Operating systems** | Linux - Ubuntu, Mac OS, Windows. |
| **Servers** | Apache Tomcat, JBOSS, WebSphere, WebLogic. |
| **Version Control** | GIT, SVN. |
| **Build Tools** | Jenkins |
| **Database** | SQL Server, MYSQL, MongoDB. |
| **Frond End Tools** | CorelDraw, Dreamweaver, Adobe Photoshop CS5, Illustrator |
| **Testing Tools** | Selenium,Just,HP Quality Center,Swift JIRA,Karma,Mocha |
| **Programming Languages** | C, C++, JAVA, J2EE |
| **Cloud** | AWS, Splunk,Python |

**Client: Capital group, Miami, FL July 2023 – Present**

**Role: Senior UI/ React.Js Developer**

**Responsibilities:**

* **Contributed to the front-end development** of a **highly complex financial dashboard**, integrating **React.js, Redux, and Styled Components**, improving load times by **45%** and enhancing UI responsiveness.
* Developed **dynamic, data-driven UI components** that interfaced with a **scalable Node.js and GraphQL backend**, streamlining real-time data updates and improving API response times.
* **Redesigned user workflows and information architecture**, leveraging **UX research and behavioral analytics**, leading to a **35% increase in customer engagement**.
* Engineered **reusable UI patterns and component libraries**, reducing UI development time across teams by **60%**.
* **Strengthened application security**, implementing **JWT authentication, OAuth authorization, and data encryption strategies** to protect sensitive financial data.
* **Optimized API performance and client-side caching**, enhancing data retrieval speeds and improving page responsiveness by **50%**.
* Collaborated closely with **backend engineers, UX designers, and business teams**, ensuring seamless integration of UI/UX improvements into production environments.

**Environment:** React.js, TypeScript, Redux, Material UI, Styled Components, HTML5, CSS3, SASS, Figma, Axure, Zeplin, RESTful APIs, GraphQL, Node.js, Jest, Cypress, A/B Testing, Webpack, Code-Splitting, Lazy Loading, Git, Bitbucket, Jenkins, Azure DevOps, Agile/Scrum

**Client: Fidelity Investments, Naples, FL Nov 2020 – July 2022**

**Role: React / Node Developer**

**Responsibilities**

* **Designed and developed a cutting-edge UI framework** using **React.js, TypeScript, and Redux**, reducing development time by **40%** and improving scalability across multiple applications.
* Spearheaded the **creation of a unified design system**, implementing **Material UI, Styled Components, and custom reusable UI libraries**, ensuring **brand consistency and enhanced developer efficiency**.
* **Engineered high-fidelity prototypes** in **Figma and Axure**, translating complex user flows into seamless digital experiences backed by data-driven A/B testing.
* Optimized **API consumption (RESTful & GraphQL)** by implementing **efficient caching, pagination, and error-handling strategies**, improving data-fetching performance by **30%**.
* **Enhanced accessibility compliance (WCAG 2.1 & ADA)**, ensuring inclusivity and a **100% accessibility score** across applications.
* **Refactored legacy codebase**, eliminating redundancy and improving **code efficiency, maintainability, and test coverage** by **50%**.
* Collaborated with cross-functional teams, presenting UX strategies and interactive wireframes to **executives and stakeholders**, influencing key business decisions.

**Environment**: React.js, JavaScript (ES6+), Redux, Bootstrap, Styled Components, HTML5, CSS3, Node.js, Express.js, MongoDB, GraphQL, OAuth, JWT Authentication, RESTful APIs, Figma, Adobe XD, Zeplin, Jest, Mocha, Performance Profiling, Lighthouse, Git, GitHub, Jenkins, Docker, Agile/Scrum

**Client: Tech Fort Software solutions, Hyd, India Sept 2019 – Nov 2020**

**Role: Front End Developer**

**Responsibilities:**

* Developed **scalable, responsive UI components** using **React.js, JavaScript, and CSS3**, optimizing performance and achieving a **98% Lighthouse performance score**.
* Designed **interactive prototypes and wireframes** in **Sketch, Figma, and Zeplin**, collaborating with UX teams to refine user interactions and journeys.
* **Created reusable, modular front-end components**, reducing development time across multiple projects by **30%**.
* Implemented **advanced cross-browser compatibility strategies**, ensuring flawless performance across **Chrome, Firefox, Edge, and Safari**.
* Developed and integrated **RESTful APIs**, optimizing data fetching and state management using **React Context API and Redux**.
* Worked closely with **QA teams to perform rigorous UI testing (Cypress, Selenium)**, identifying and resolving **80% of UI/UX issues pre-release**.
* Assisted in the **migration of legacy JavaScript codebases** to modern **React.js architectures**, enhancing maintainability and performance.

**Environment**: React.js, JavaScript, HTML5, CSS3, SASS, Bootstrap, Sketch, Figma, Zeplin, Adobe XD, RESTful APIs, JSON, Cypress, Selenium, Manual Testing, Git, Bitbucket, Minification, Lazy Loading, Cross-Browser Compatibility, Agile