Annu Abraham

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**EXPERIENCE SUMMARY**

* 5+ years’ overall experience in **software development** with experience in building responsive web applications.
* Experience with UI development using **ReactJs, HTML, CSS, Bootstrap**.
* Experience in statement management using **Redux-Thunk and redux-Saga**.
* Experience in consuming APIs using **Axios and Fetch API.**
* Experience with **object-oriented design, coding, testing patterns**.
* Strong written and oral **communication skills** to share ideas and concepts with the team.
* **Agile** development methodologies including scrum, Kanban, code reviews, pair programming
* Worked on design, scoping, effort estimation and status reporting for different applications.
* Strong work ethic with ability to work in diverse teams and within scheduled timelines.
* Work Authorization: **Green card - EAD**

**SKILLS**

**Languages & Frameworks:**

**Front End:** ReactJs, Redux-Thunk, Redux-Saga, Bootstrap, JavaScript, HTML/HTML5, CSS/CSS3.

**Back End**: Spring MVC, Node.js, Express.js, ODM- Mongoose

**Database:** MySQL, MongoDB

**Testing Tools:** Junit, Selenium WebDriver, Jest, Cypress.io.

**Integrated Development Environment (IDE)**: Visual Studio Code, Eclipse, NetBeans.

**Software & tools:** GitHub, JIRA, Bitbucket, Postman, NPM, Docker, Jenkins, Putty, SOAP UI, Putty, Microsoft Visio, Lucid chart.

**EDUCATION**

**University of Maryland** College Park, MD

Master of Engineering in Software Engineering, GPA: 3.7 Expected May 2020

**University of Kerala** Kerala, India

Bachelor of Technology in Information Technology, First class with distinctionMay 2014

**WORK EXPERIENCE**

***Joint Quantum Institute, University of Maryland, College Park*** College Park, MD

*Graduate Assistant – Software Developer July 2019 – Present*

* Created **Front-End** focused Web Application aiming to create awareness in Quantum Physics for over 30000 students.
* Designed reusable **Single Page Application (SPA)** in **ReactJS** by using the concept of virtual DOM.
* Ensured performance, quality, and responsiveness of applications using **CSS Media Queries**.
* Proactively track and resolve bugs, initiated Test-Driven Development by writing tests in Jest with 86% coverage.
* Reviewed the quality of code resulting in code readability increase and performance improvements.
* Involved in requirements gathering, analysis, design, and documentation of the application.

**Environment:** ReactJs, HTML, CSS, JavaScript, Webpack, Jest, Material UI, NPM, Visual Studio Code.

***United Airlines for TATA Consultancy Services*** Chennai, India

*Software Engineer Sep 2016 – Jun 2018*

* Maximized the performance of a server rendered Web Application by migrating it to client rendered Web Application.
* Boosted code coverage to more than 90% by writing unit tests in **Jest and Enzyme** to save development efforts.
* Implemented **Fetch API** to consume REST APIs to maintain passenger and flight booking information.
* Collaborated with team to devise wireframes, mockups, and prototypes and restructured user experience design.
* Contributed in **continuous integration and continuous deployment** by making pull requests using GitHub and Jenkins reducing the average deployment time.
* Presented, collaborated and added value to the company and team through participation in **peer code reviews**, providing comments and suggestions.

**Environment:** ReactJs, Redux-Saga, SCSS, Fetch API, JWT tokens, REST APIs, Git, Jenkins, Docker*,* Oracle.

***United Services Automobile Association (USAA) for TATA Consultancy Services*** Chennai, India

*Assistant System Engineer Oct 2014– Aug 2016*

* Designed reusable user interface in **ReactJS** and JavaScript ES6 and managed application state using **Redux-Thunk**.
* Consumed **REST APIs using Axios** to maintain user accounts, secured APIs through **authorization**.
* Troubleshoot & fixed bugs resulting in code readability increase and performance improvements.
* Enhanced User satisfaction to 35% by improving usability and accessibility adhering with **Section 508 compliance**.
* Worked in **Agile** methodology by briefing in scrum calls, suggesting story tasks, and approximating efforts.
* Managed code revision using SourceTree and Bitbucket and used JIRA boards to manage sprints.
* Assessing project requirements using Agile & Scrum principles that helped prioritize activities and reduce ad hoc work requests by 35%.

Environment: ReactJs, Redux-Thunk, Bootstrap, CSS, Jest, JWT Tokens, REST APIs, Oracle, Agile.

**TECHNICAL EXPERIENCE**

**UMD Engineering Software Project** College Park, MD

*Full Stack Developer Jan 2019 – Dec 2019*

* Designed and developed user facing application utilizing **ReactJs/Redux, Express.js, Mongoose, and MongoDB**.
* Developed file upload utility in **ReactJs** and utilized to **Fetch API** to consume **REST APIs**.
* Participated in daily meetings to communicate work progress and potential roadblocks.
* Designed and modelled the application architecture using design patterns such as factory, singleton and **MVC**.
* Worked collaboratively and professionally with team members to achieve goals.

**Environment**: ReactJs, Redux-Thunk, CSS, JWT Tokens, REST APIs, Express.js, Node.js, MongoDB, Git.