**Ammad Khalid Siddique**

Lead Full Stack Developer

[sidammad78@gmail.com](mailto:sidammad78@gmail.com) +1 224-208-8973

* Overall 14 years of professional experience in Applications design, Development, Integration, Maintenance, Installation, Implementation, testing of various client/server, N - tier and web application and its design, using various UI- Technologies.
* Hands on experience in full stack development using Java, spring, Hibernate, Angular, React.
* Good experience on relational database management system.
* Worked with Bootstrap for Responsive Web design.
* Worked with Angular pipes, services, directives, components, integration with backend.
* Migrated existing Angular JS application to Angular 2/4.
* Proficient and excellent hands on experience with JSP, JSF, JavaScript, jQuery, HTML, DHTML, XML, CSS, LINQ, Ajax, Silver light.
* Expertise in client scripting language and server-side scripting languages like JavaScript, jQuery, JSON, Polymer.js, Bootstrap, Node.js, Angular.js, Backbone.js, JSF and JSP.
* Used Node for developing REST web services using express and integrating with Mongo db.
* Used JWT, passport for security configurations on Node.js
* Developed a Mobile application for android and iOS with React Native and phone gap in different projects.
* Proficient in RDBMS using Oracle, IBM DB2, MySQL database servers
* Worked on Confidential Web Services (AWS) EC2, SQS and S3.
* Experience with WebLogic, IBM WebSphere, Apache Tomcat & JBOSS Application server.
* Good experience in Unit Testing using Junit and Mockito.
* Used Mocha, Jasmine, Karma, Chai tools and frameworks for JavaScript testing to implement Test Driven Development.
* Good Experience in using Version control system software like SVN, GIT.
* Experienced in all stages of Software development life cycle (SDLC) starting from gathering Business specifications, analysis, design, development, testing and implementation of projects using various methodologies like Waterfall, Agile.
* Expert in developing User Interface (UI) applications and professional web applications using JavaScript, jQuery, JSP, XUL, HTML/HTML5, CSS/CSS3, XHTML, XML, JSON and Ajax.
* Experience in applying the latest software development approaches including model view controller (MVC), event - driven applications using AJAX, Object Oriented JavaScript, JSON and XML.
* Expertise in developing various JavaScript frameworks like Angular.js, React.js/Redux, Responsive web design. (RWD).
* Experience in various mobile frameworks like Ionic, phone gap/Cordova for mobile hybrid applications in both IOS and Android.
* Expertise in using all the new features in HTML5 and CSS3 in creating the mark-up and the styling of the pages.
* Experienced implementing Web Services using Apache SOAP, WSDL, JAX-RPC, JAX-WS, RESTful API, restful and UDDI.
* Experience with Devops Deployment tools such as Puppet, Chef and Docker.
* Experience in SQL Database like Apache and MongoDB.
* Experienced in using Text editors like Espresso, eclipse, Text Wrangler, Sublime Text, NetBeans, XAMPP, Notepad and Notepad++. services with Flash/Flex.
* Developed Servlets and Utilised Node.js to create a fast and efficient chat server.
* Skilled in working with CSS preprocessors like SASS, LESS and have aesthetic sensibility on Backgrounds, Layouts, Positioning, Animations, Text, Borders, Padding, Pseudo Classes and Pseudo Elements.
* Experience in working with RESTFUL web services using POSTMAN and called Rest web services through Angular JS to get JSON object and modified the response object to display on web pages.
* Experience on working with CSS Background, CSS Layouts, CSS positioning, CSS text, CSS border, CSS margin, CSS padding, CSS table, Pseudo classes, Pseudo elements and CSS behaviours in CSS.
* Experience in JavaScript build tools like Grunt/Gulp, Node.
* Good Knowledge in using Dojo Components and integrating back-end applications with AJAX driven web 2.0 front-end using OO JavaScript framework.
* Proficient in Object Oriented Design/Development (OOD), Object Oriented Analysis and Design (OOAD), Model View Control (MVC) design pattern and Test-Driven Development (TDD).

TECHNICAL SKILLS:

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| Web Technologies | HTML5/HTML, CSS3/CSS, Bootstrap 4, JavaScript ES5/ES6, Python, Angular 4/5/6, JQuery, AJAX, JSON, Node.js, React.js 15/16, Express.js, TypeScript |
| Programming Languages | JavaScript, TypeScript, Python3, Java, SQL, C, J2EE, SQL, Go, C, C++ |
| Frameworks | Angular Material, Spring, Spring Boot, DAO in Spring Framework, Angular, Hiberante (ORM) |
| Development tools | Eclipse, Web Matrix, Web Strom, Bonita, Sublime, Dreamweaver, and Notepad++. |
| Test Frameworks | Fiddler, SOAP UI, Postman, Jmeter, MOCO |
| Database | MONGO DB, PostgreSQL, Spunk data storage (Big data), Oracle 8i, 9i, 10g, SQL Server 2000, 2005 & 2008; IIS 6.0/7.0 |
| Debugging tools | Firebug, Bugzilla, Chrome Developer Tools, IntelliJ. |
| Servers | IBM Web Sphere, Apache Tomcat, BEA WebLogic 8.1, J Boss, HTTP Web Server. |
| Platforms | Windows 95/98/NT/2000/XP/Vista, Sun Solaris 9/10, IBM-AIX 5.2/5.3, Linux 5/6. |
| Methodologies | Agile, Rational Unified Process (RUP), UML Water fall |

PROFESSIONAL EXPERIENCE:



**Client: USAA August 2022 to Present**

**Job Title:** **Lead UI Developer | Full Stack Developer   
Responsibilities:**

* Designed and developed the UI layout and front-end programming for web applications that matches the wireframes using the latest HTML5, CSS3 and AngularJS.
* Developed and maintained a scalable, component-based React application that integrates seamlessly with backend services via RESTful APIs and GraphQL.
* Spearheaded the migration of a legacy AngularJS application to React, reducing load times by 40% and increasing maintainability with a component-driven architecture.
* Collaborated closely with backend teams to develop RESTful APIs using Node.js, enabling seamless data integration and improving API response times by 25%.
* Developed a set of reusable React components and custom hooks that reduced development time for new features by 40%.
* Designed and implemented a Node.js microservices architecture that improved system scalability and maintained a 99.9% uptime.
* Leveraged React.js and advanced frontend technologies to develop dynamic and visually stunning interfaces, tailored to elevate user engagement and drive sales.
* For the Development of React core and site components, used storybook as a development environment with atomic design pattern.
* Built and maintained scalable web applications using Python frameworks like Django and Flask, improving application performance and user experience.
* Designed and developed RESTful APIs using Flask and Django REST Framework, enabling seamless integration with front-end applications and third-party services.
* Created automated data processing pipelines with Python to handle ETL (Extract, Transform, Load) tasks, improving data accuracy and processing efficiency.
* Designed and implemented custom automation scripts with Python to streamline repetitive tasks, reducing manual effort and operational costs by 40%.
* Directed the development of data-driven applications using Python, focusing on data integration, analysis, and visualization to drive business insights.
* Implemented react JS code to handle cross-browser compatibility issues in Mozilla, IE 7, 8, 9, Safari, and FF.
* Developing applications with the help of react-component-catalog for different components for various clients, and sites.
* Migrated major class-based containers to Redux-connected functional component containers, allowing for compatibility with newer functional component libraries, while introducing react-redux hooks into newer containers to maintain React Redux global state management.
* Led the development of secure and scalable financial applications for USAA, utilizing React for the front-end and Node.js for the back-end to deliver robust and user-friendly solutions.
* Designed and implemented scalable web applications using TypeScript, enhancing code reliability and maintainability.
* Leveraged TypeScript to enforce strong typing and reduce runtime errors, achieving a 25% reduction in bugs and improving overall code quality.
* Designed and implemented CIAM solutions to integrate identity management platforms like Okta, Auth0, and Azure AD B2C, enhancing customer authentication and authorization.
* Led the development of secure CIAM features in Golang, including multi-factor authentication (MFA), single sign-on (SSO), and OAuth 2.0, ensuring compliance with security standards.
* Optimized CIAM workflows to improve customer onboarding, self-service account management, and passwordless login, resulting in a 30% increase in user satisfaction.
* Collaborated on CIAM integration projects to enhance security and maintain a seamless user experience across customer-facing applications.
* Monitored and maintained CIAM systems developed in Golang, ensuring high availability, performance, and scalability to support millions of active users.
* Developed high-performance, concurrent microservices in Golang, leveraging goroutines and channels for efficient processing of large-scale data.
* Conducted security assessments on CIAM implementations in Golang, identifying and mitigating vulnerabilities to strengthen overall infrastructure security.
* Utilized TypeScript with React to build and maintain robust and type-safe front-end components, improving development speed and reducing bugs.
* Architected robust NGRX state management solutions for large-scale enterprise applications, ensuring seamless data flow and synchronization across multiple modules, leading to a 30% increase in application performance.
* Designed and implemented NGRX Effects to handle complex asynchronous operations such as API calls, resulting in improved application responsiveness and a reduction of boilerplate code by 20%.
* Utilized NGRX Selectors to efficiently access and derive application state, reducing unnecessary component re-renders and improving performance by up to 40% in high-traffic scenarios.
* Conducted training sessions and workshops for development teams to educate on best practices and advanced NGRX patterns, significantly improving team proficiency and reducing onboarding time for new developers by 50%.
* Developed and integrated type-safe APIs using TypeScript, ensuring consistent and reliable data exchange between front-end and back-end systems.
* Applied TypeScript in Node.js environments to build scalable and maintainable back-end services, enhancing code clarity and reducing errors.
* Developed complex enterprise applications using TypeScript and Angular, ensuring type safety and improved development efficiency.
* Worked as a Full stack developer, responsible for requirements gathering, developing Front end UI, creating a strong Business logic, generating a complex SQL query at backend, testing and debugging the website once a software feature is created.
* Extensively used all the new HTML5 features like local storage, new input attributes, Canvas and SVG, audio and video etc.
* Managed, collaborated, coached tiered developer support teams improving customer support experience for escalating issues to higher tiered teams meeting 100% service level agreements.
* Supported project release teams to meet team training dates, operational readiness, platform risk assessment to ensure platform stability, security, enabling positive customer experience.
* Architected and built RESTful APIs in Golang, ensuring robust and scalable backend services to handle millions of requests per day.
* Integrated CI/CD pipelines for Golang, applications using Jenkins and Bitbucket, achieving a 40% reduction in deployment times.
* Implemented caching strategies in Golang, using Redis, significantly improving application response times and reducing latency.
* Optimized code performance in Golang, through profiling and benchmarking, leading to a 25% increase in overall application efficiency.
* Authored, maintained quality standards, reporting, support documentation for customer support procedures improving customer satisfaction to 98%.
* Designed and implemented mobile applications for iOS and Android using React Native, expanding reach and user base.
* Created responsive and intuitive mobile user interfaces with React Native components, achieving a 30% increase in app usability.
* Seamlessly integrated native modules and libraries within React Native applications, enhancing functionality and user experience.
* Improved app performance by optimizing React Native components, reducing load times by 25% and enhancing user satisfaction.
* Efficiently handled complex application state using Redux in React Native projects, ensuring smooth data flow and state consistency.
* Integrated security measures such as data encryption and secure authentication in React Native applications, ensuring user data protection.
* Employed React Native CLI for streamlined project setup and management, facilitating efficient mobile app development.
* Implemented advanced user authentication and authorization mechanisms, including multi-factor authentication (MFA), to secure sensitive financial data.
* Developed and integrated RESTful APIs and GraphQL endpoints to connect with various financial services and third-party systems, providing seamless data exchange and real-time updates.
* Collaborated with stakeholders, SME's and support teams for issues on purchase flows.
* Requirements analysis (Rally), defect development for production admin systems, internal tools.
* Used new CSS3 features like multi-column layout, gradients and web fonts, transform and transpose and media.
* Develop and design the agent portal using framework AngularJS 2.0 along with CSS3, HTML.
* Perform various Validation Controls for form validation and implemented custom validation controls with JavaScript and with AngularJS using custom directive.
* Create sites to organize client contracts and to summarize monthly financial data using Ember.js, D3.js and MySQL.
* Create Balsamic mockups of various types and sizes for the website and created a signoff document listing name, description and functionalities of each screen page for client sign-off.
* Develop with Ember.js using HTML, HTML Bars, SCSS, JavaScript and with the data setup on a Ruby on Rails server.
* Use twitter Bootstrap for creating responsive web design for varying screen sizes and devices.
* Implement MVC frameworks like Angular for AJAX data calls using the http service.
* Work within an Agile Scrum team to deliver new functionality every Sprint.
* Responsible for work fixing defects identified within the Scrum, testing and Production environments.
* Work with the Architects and UI Designers to design and develop the UI functionality that meets the acceptance criteria in the User Stories.
* Engage with the Product Owner, Scrum Master and the Business Analysts on a daily basis to deliver functionality that meets the project needs every Sprint.
* Work on Responsive Web Design to make website Responsive for Desktop, mobile and Tablets using Bootstrap.
* Integrating front end elements with the Node.js server and writing testable server side code.
* Develop components in Angular and AngularJS to interact with backend API (Java/Express/C#).
* Worked on all the latest Angular concepts like creating custom directives, components, services, http service, factory's, watch and apply etc.
* Develop responsive UI to support mobile devices for both ioS and Android.
* Frontline interaction with clients/marketing teams for UI/UX Design.
* Developing the project using the Web storm IDE and React Flux Framework; Maintain states in the stores and dispatched the actions using Redux.
* Develop Wireframes, functional prototypes and collaborate on user experience of Using industry standard UX Process to create new designs.
* Utilized Redux DevTools for real-time monitoring and debugging of application state, enabling quicker issue resolution and a 25% reduction in debugging time.
* Test, Debug and trouble shoot JavaScript code using tools like Fiddler.
* Work with all the Angular modules that are not part of the standard release like ui-route, angular-paginate etc.
* Experienced in React JS and working with React Flux architecture and redux architecture.
* Replaced existed Angular JS code with Angular JS2 code, which decreased number of lines of code for a web application which increased performance.
* Worked in using React JS components, Forms, Events, Keys, Router, Animation and Flux Concepts.
* Developed Node js application, server side and client side SOA architecture.
* Worked on consuming JSON and XML object creation, parsing on both clients as well as server side.
* Liaise with business units, web ops and development teams to deliver customized CMS solution.
* Worked with the SASS/SCSS pre-processor to simplify writing the CSS stylings.
* Integrating MongoDB databases and collections with Node.js server.
* Develop different classes, modules, web forms, web services in ASP.NET using VB.NET as the code behind language and SQL server as a database.
* Handling cross browser/platform compatibility issues (IE, Firefox, and Safari) on both Windows and Mac and debugged using tools like Firebug.
* Wrote java back end web services in RESTful framework using the Jersey JAX-RS framework.
* Worked with the Gulp tool in building the project, also worked in creating the gulpfile.js for managing the build operations.
* Created Ember.js components and improved the layout for the Embed products.
* Organization Enrollment enhancement.
* Served as sole UX Designer for web and mobile; advocated for user-centric design.
* Used Bower and NPM to manage front-end and node modules respectively.
* Performed unit testing using the open source Karma/Jasmine framework.
* Worked on the Agile methodology and used Scrum in implementing the project.
* Used JIRA as a tool for project tracking and management where we update the daily tasks performed.

**Environment:** HTML/HTML5, CSS/CSS3, SASS/SCSS, JavaScript, jQuery, AngularJS, React.js, Redux, Angular2, NodeJS, Ember.js, Java, Bootstrap, Usability Testing, Agile methodology, Web Storm IDE, CMS, Fiddler, Adobe, InVison, PowerPoint, Gulp, CDN, GIT, Karma, Jasmine, Java, J2EE.

**Client: Bank of America Jan 2020 to July 2022  
Job Title: Lead Full Stack Developer   
Responsibilities:**

* Designed, developed, debugged, tested, and maintained web based internal applications scalable to support growing organization. Built for enterprise-grade applications and server security to pass internal security audits.
* Used MEAN Stack Technologies to develop Front End UI for multiple application in production.
* Created interactive dashboards and data visualization tools using React and D3.js, providing users with insightful financial data and analytics for better decision-making.
* Used AngularJS as framework to create a Single Page Application (SPA) which can bind data to specific views.
* Participate in meetings with leadership team - comprising of Vice Presidents, Directors, Product Management Team and Architects - to discuss items on roadmap and plan each quarter.
* Deliver a complete front-end application developed using AngularJS 2, ensuring high performance on both desktop and mobile.
* Coordinate the workflow between graphic designer, HTML coder, and the UI Development team. Also Cooperate with the backend developers in the process of building the Restful API.
* Ran e2e test suites for all components developed and designed an automated testing framework based on Protractor and groovy.
* Built restful services that consume and produce JSON objects handled with Spring Controllers using Spring Web API and Spring Boot Web API.
* Conducted performance profiling and optimization of Python code, resulting in a 30% reduction in execution time and improved system efficiency.
* Deployed and managed Python applications on cloud platforms like AWS and Azure, leveraging cloud services for scalability and reliability.
* Implemented real-time data processing systems using Python and Kafka, handling high-volume data streams and enabling timely decision-making.
* Created reusable Python libraries and modules to support various projects, enhancing code maintainability and reducing development time.
* Developed the application to be responsive for desktop, mobile and tablets using Twitter Bootstrap (HTML5, CSS3 and JavaScript).
* Promoted the use of TypeScript within development teams to standardize code practices, resulting in improved code consistency and collaboration.
* Developed type definitions and improved type safety for existing JavaScript libraries using TypeScript, enhancing compatibility and developer experience.
* Performed code reviews and refactoring using TypeScript to ensure adherence to best practices and improve codebase maintainability.
* Created custom middleware and store enhancers to extend NGRX functionality, tailored to specific business needs, enhancing data processing efficiency.
* Led the design and implementation of state management architecture using NGRX, fostering a scalable and maintainable codebase that supports rapid feature development.
* Spearheaded initiatives to establish and enforce NGRX best practices across development teams, enhancing code quality, consistency, and collaboration.
* Engineered complex workflows using NGRX to handle intricate business logic, streamlining processes and improving application responsiveness and user satisfaction.
* Created and maintained reusable TypeScript component libraries, enabling consistent UI elements and reducing development time.
* Developed API using Node.js to allocate access to data in SQL, MongoDB.
* Participate in sprint reviews and system demos with the leadership team to showcase the development taken place so far in the quarter. Get feedback from them and discuss with architects on the technical approach.
* Used various Spring Boot projects viz. Spring Cloud Config Server and Config Client, Spring Cloud Connectors, Eureka Discovery Registry, Rest API, and Pivotal Cloud Foundry.
* Developed a tool that searches for a set of keywords inside all the files including archives and produces a neat HTML report that has the location and line numbers of the keywords found, replacing the need for the company to purchase a tool called PowerGrep.
* Researched on Cloud Foundry Concepts and documented on the steps that are required to deploy any application from the company’s application suite into the environment.
* Integrated applications with Kafka consumer to consumer events JSONs from Kafka mongoDB cluster.
* Developed a spring boot application that generates events in Producer module for every rest call in JSON format and feed to Kafka queue.
* Developed spring boot application that consumes event in Consumer module, from mongoDB cluster to be used by every application.
* Conducted performance tuning and optimization of banking applications to ensure fast load times, high responsiveness, and efficient resource utilization.
* Used Node.js to run Grunt tasks and build properly the project Developed internal web dashboard applications using Node JS.
* Prepared scripts for automated deployment of the applications into Staccato PaaS layer into Higher Environment.
* Implemented Blue-Green approach for continuous delivery enabling zero-downtime releases.
* Implemented the deployment jobs for each of the applications using GO Continuous Delivery by implementing each of the deployment processes in Pipelines.

**Environment:** BitBucket, GIT, Agile, JIRA, Spring Boot, Jenkins, GO CD, HP Helion Staccato, PaaS, Cloud Foundry, Unix, Maven, Spring MVC, Spring Boot, Eureka, Spring Cloud Config Client, Connector, Pivotal Cloud Foundry, JSON, XML, XSLT, Rest, Spring Web, Shell Scripting.

**Client: Liberty Dental Jul 2016 - Dec 2019  
Job Title: Senior Full Stack Developer | React Developer**

**Responsibilities:**

* Participated in meetings with the end-clients to develop layout, color scheme for the web page and implemented them with the help of HTML5, CSS3 and JavaScript.
* Hands on experience on developing the components using Angular2 needed for the application from the scratch and customizing from various Angular related libraries to meet the application's functionality.
* Migrated an application developed in Angular 4.0 to Angular 5.0 recently
* Converting Web form applications to use Bootstrap.js, Angular JS andReact.js.
* Used Bootstrap and Angular JS, React.js and Node.js in effective web design.
* Involved Storing and retrieving data from Column Oriented Data Base MongoDB.
* Developed mockups and prototypes using HTML5 and CSS3. Designed new classes and functionalities using various jQuery components for CRM application for customer service.
* Used ReactJS to create views to hook up models to the DOM and synchronize data with server as a Single Page Application (SPA).
* Good amount of work done on Reactive forms in Angular2 and their Validations.
* Used React Flux architecture along with node JS's Event Emitter module in order to set event system to manage the application state.
* Testing JavaScript frameworks Using Type scripting.
* Created forms to collect and validate data from the user in HTML and JavaScript.
* Was responsible for checking cross browser compatibility and hence worked on different browsers like Safari, IE, Firefox and Chrome.
* Followed Redux Architecture to achieve the React JS state management.
* Created spring configuration files to define Handler mappings, Bean definitions
* Worked on Rest Web services, to specify the business behaviors and backend calls
* Wrote services to store and retrieve user data from the MongoDB for the application on devices
* Involved in creating a reusable component using React JS for DOM manipulation
* Used Mongoose API in order to access the MongoDB from NodeJS
* Worked extensively using CSS and Bootstrap for styling HTML elements.
* Worked in all phases of SDLC, including requirements analysis, design and development, bug fixing, supporting
* QA teams and debugging production issues.
* Worked on Prototyping and Implementation using Node JS, AWS with Slacker platform.
* Utilized Jenkins and Git for deployment on test servers and to move towards CI/CD.
* Created Master Pages, CSS Styles Sheets and Integrated to Silver light and got approval from Business Stake holders.
* Used AJAX framework for asynchronous data transfer between the browser and the server.

**Environment:** SASS/SCSS, React, Redux, JavaScript, Angular.js, node.js, HTML5, CSS3, JavaScript, Angular 2/4, Polymer.js, Angular2.0, Predix, React.js, RESTFUL, Jenkins, Google API, jQuery, JSON, AJAX, DHTML, REST Web Services, XML, JSP, Node JS, React JS, Bootstrap, SASS, Web pack, Babel, MVC, react flux, Mongo DB, Mongoose, AWS, Git

**Client: American Airlines May 2013 – Jun 2016  
Job Title: Full Stack Developer   
Responsibilities:**

* Worked on building a high efficiency Web Application using React, Redux, HTML5, CSS3, Node.js, Express.js MongoDB, JavaScript and Material UI
* Used React JS as the front-end framework to build a Web Application which can bind data to the specific views and synchronize data with server.
* Implemented Responsive Design by using Material UI component property
* Used React-Router to do navigation and redirection to different pages in React web apps.
* Used React-props and React-state to pass the method and data from parent component to child component.
* Implemented setting up async request from REST API using axios in React-Redux and using React-Thunk for middleware in axioms request.
* Used React-Redux to store and manage state to backend.
* Made use of File Reader to transfer image to data.
* Used React-Redux-Thunk to handle the asynchronous API call in displaying data.
* Designed Store, Action and Reducer, ever time UI will interact the state through Action, and update the React virtual DOM with new state return in React-Reducer
* Responsible for checking cross browser compatibility and hence worked on different browsers like Safari, Opera, Firefox, Google Chrome and Internet Explorer.
* Build backend based on Exprees.js, Node.js, MongoDB and Mongoose.
* Implemented Search and Sort functionality for the list table with Ajax calls and receive the result from back-end server.
* Set the RESTful API at the backend to deal with CRUD action in data with using Node.js and Express.
* Implemented Pagination on the server side.
* Tested all the RESTful API calls by using Postman and make sure all API calls are satisfying all conditions.
* Used the MongoDB as the database and JavaScript library Mongoose to implement the application functionality CRUD (Create, Read, Update, Delete).
* Used Git as the version control tool, code base hosted on GitHub.
* Used package manager for the project like NPM.



**Environment:** HTML, CSS, JavaScript, Ajax, Redux, Java, ReactJS, Node, NodeJS, ExpressJS, MongoDB, Web API, RestAPI, Material UI, AWS, Lambda, ES6, Babel, SQL, MYSQL, XML, Jasmine,

**Client: Amazon Jan 2011 – Apr 2013  
Job Title: Software Developer   
Responsibilities:**

* Involved in understanding the current business process, defining scope of the project along with position statement.
* Responsible for gathering of requirements, designing, developing and testing of applications.
* Developed web pages using PHP, HTML, CSS, JavaScript, JQuery and AJAX for client - side validations.
* Created various forms, image galleries and another interface with PHP.
* Created HTML navigation menu that is role-based menu items changes dynamically, derived from the database in the form of XML.
* Implemented CSS and JavaScript based navigation system visually identical to previous table-based system to improve ease of maintenance and organic search engine placement.
* Developed web pages layouts using CSS mechanism to include different box model, colors, layout, width, height, font size, Image size to the web pages.
* Extended Bootstrap classes to build custom front-end controls; example candidate isotopes. Worked extensively on web 2.0 migration from conventional web Frame work to AJAX driven framework.
* Used SQL queries in PHP scripts to access customer information and modify their accounts and set up basic relational database to hold account information.
* Developed stored procedures, triggers, functions and tables in MySQL database.
* Used the Mozilla Firefox extension, Firebug to view and debug HTML, DOM and JavaScript.
* Participated actively in fixing the bugs reported in Test, UAT and Production environments.
* Created GitHub repository for code collaboration and worked on JIRA issue management to track Sprint Cycles.

**Environment:** Java, HTML, CSS, JavaScript, JQuery, Bootstrap, Hadoop, big data, XML, AJAX, MySQL, Git, JIRA, PHP