**Kavya B**

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**Summary:**

Around 7 years of strong experience in Software Development Life Cycle (SDLC) of the software development process including requirement analysis, design, development, interface development and implementation of Client/Server, Internet (Web) application using Object Oriented Methodologies(OOA/OOD). Web based technologies & developing applications with agile methodology.

**Professional Summary:**

* Expertise in designing and developing enterprise level web applications with composite requirements, architecture and usability measures utilizing **HTML5, CSS3, JavaScript frameworks Ajax, jQuery, Bootstrap (**various plug-ins**), XML, DHTML.** And **MVC** framework such as **AngularJS** and **Angular**. Various Framework and Libraries include **Express. Node, GRUNT, React JS, Node JS. Servlet.**
* Hands-on experience in building **Single Page Applications** using **AngularJS** along with routers, custom directives, filters and form validations.
* Sound understand of various JavaScript concepts like **Prototypes, Closures,** and **Object-oriented features, Promises etc.**
* Experience in implementation of Web Services using **SOAP** and **Restful**.
* Strong knowledge with **XML SQL PERL** and shell scripting
* Used different relational database like **MySQL** and **NoSQL** databases like **MongoDB.**
* Utilize **CSS3** media queries for building Responsive Layouts as part of **RWD** (Responsive web Design).
* Hands on experience of developing applications with **Model View Architecture (MVC)** using **Struts framework** and **spring framework.**
* Experience with **NodeJS, NPM, Grunt/Gulp** and CSS preprocessors like **SASS** and **LESS.**
* Solid understanding of **React Virtual DOM** Algorithm, for React performance optimization.
* Working Experience in DOM (Document Object Model) and DOM functionality to use in the interaction with objects in HTML, XHTML and XML documents.
* Hands on using **React JS** components, Forms, Events, Keys, Router, Animations and Flux concept.
* Experience in writing **Grunt** tasks to perform minification, compilation and unit testing.
* Experience with creating **Angular** factories used in services of angular to make RESTful API calls to the Java built backend.
* Expertise in the areas of **AngularJS** like Services, Directives (both Custom and Predefined), Filters, Controllers, Routings and Promises.
* Comprehensive knowledge on **Angular 6** features like creating web elements using Angular elements.
* Extensively worked on **Bootstrap** grids, tables, carousels, form elements and layouts.
* Good knowledge on application integration using Web Services such as **JAX RPC**, **JAXB, JAX-WS, SOAP, WSDL**, **JAX-RS, WS Security** and **Restful.**
* Worked in various version control system **GIT** Concurrent Versions System (**CVS**) and used **MAVEN** tool and used Source code management client tools like GitBash and GitHub.
* Worked in deployment and assisted use **Jira, Confluence, Bamboo.**
* Worked in creating **Unit test cases** using **karma** and **jasmine**
* Hands on experience in design, implementation and maintenance of framework architectures utilizing application servers like **Web Logic, Apache Tomcat, WebSphere, JBOSS.**
* Experience with **JIRA**, which is an Issue management platform that allows teams to easily manage their issues throughout the entire project lifecycle.

**Technical Skills:**

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| **Web Technologies and Programming Languages** | HTML5, XHTML, DHTML, CSS3, Bootstrap, JavaScript, AJAX, JSON Java (J2SE & J2EE), C, C++, XML, SQL and PL/SQL. |
| **Web App/ Servers** | JBoss, Web Sphere 8.0(beta), Bea’s Web Logic, Apache Tomcat, Web Sphere. |
| **Configuration Mgmt. Tools and Developer Tools** | Git, CVS, visual studio, Dream viewer, Firebug |
| **JS Libraries**  **and Frameworks** | jQuery, Angular.JS, Angular2/4/5, Node.JS, React.JS, Backbone.JS, Express.JS and Handlebars. |
| **Design Patterns/Architecture** | MVC, Session facade, Observer, Singleton and Module |
| **Operating Systems** | Linux, UNIX, Windows 2000/XP/7, Windows 8.1, Windows 10. |
| **Web Services** | SOAP, REST, WSDL, RSS. |
| **IDE** | NetBeans, Eclipse, Sublime text, Notepad++, IntelliJ, HTML Editor Eclipse IDE |
| **Databases & Platforms** | MongoDB, MySQL, Maria DB Enterprise, Oracle. |
| **Development Methodology** | Agile, Waterfall. |
| **Testing Tools** | Junit, LoadRunner, Jasmine, Protractor. |
| **Other Tools** | Workbench, Putty, WordPress |

**Professional Experience:**

**UI Developer**

**Client: Tivo, San Jose CA August 2017-Present.**

**Description:**

Role involved in building and launching new web pages, help with a website redesign & launch, and to manage product launches and promotions across our site.

**Responsibilities:**

* Responsible for design and development of the web pages from mock- ups.
* Built Web pages that are more user-interactive using AJAX, Typescript, LESS, Bootstrap and Angular JS.
* Used **NodeJS** application in **Express JS** framework to manage Routes, Views and Requests
* Used **SASS** for styling.
* Implemented **Angular 5** modules, services, templates, directives, services and dependency injection to create a **SPA.**
* Create desktop application with **Angular 5** and **Unit Test** with **Karma-Jasmine**.
* Developed Functional Requirement Document based on users' requirement.
* Involved in making the application Responsive using **Bootstrap** and used **LESS** pre-processor.
* Involved in developing various generic **JavaScript** functions used for validations.
* Used VideoJS framework for **HTML5** video player.
* Built responsive admin portal using **Bootstrap.**
* Updated and maintained the internal code base (tested code before deploying to live site) using **GitHub**.
* Involved in Requirement gathering phase to gather the requirements from the client program manager and dealing with UX team to continuously accommodate changing user requirements
* Involved in complete User Interface designing and coded the web site in **XHTML, CSS** and **Java Script.**
* Extensively used **Typescript**, ionic framework and jQuery to provide UI functionality.
* Used Cassandra **NoSQL**
* Database for storing the transactions on all the services for asynchronous writes and fetches.

Environment: HTML/HTML5, CSS/CSS3, JavaScript, Angular.js 5.0, Node.js, Bootstrap, Jasmine, Karma, Underscore, JSHint, NPM, SASS, Gulp, Rally, Agile methodology, SVN, Jenkins, TypeScript. Environment: JavaScript, Express JS, HTML5, CSS3, XML, XSL, AJAX, JSON, JQuery, Node.js, NPM, MongoDB, Bootstrap, SQL Server, Web services, Karma, Jasmine, Unit Test, Agile

**UI Developer**

**Client: AT&T, Dallas TX January 2017-August 2017.**

**Description:**

Work included to co-ordinate with internal clients to define business objectives, project scope, solution space and design/develop approach for various knowledge research applications

**Responsibilities:**

* Developed dynamic website design and User Interface pages for the end client using technologies like **HTML5, CSS3, JavaScript, DOM, JSON, jQuery, Bootstrap, Angular** and **NodeJS**.
* Followed Agile Scrum methodology that included iterative application development, weekly Sprints and stand up meetings.
* Worked with setting a new project and configuring all the sub tasks using **Grunt-npm** module. The common tasks using grunt includes minification, Lint, test runner task, watch (observe files changes and initiate the sub tasks).
* Utilized Angular2's best practices with **Typescript** components and JavaScript libraries brought together within progressive module loading, tooling with **Angular CLI** and gulp for creating HTML robust applications.
* Implemented inheritance properties using **SASS** for creating responsive style sheets and Utilized **Angular** framework to bind HTML template view to JavaScript Object(models) Used the $http service to communicate with the back-end and $resource for basic REST calls.
* Built **Angular** framework including MVC architectures, different modules, specific controllers, templates, custom directives and custom filters. Used interceptors in Angular for configuring security authentication for session management.
* Implemented form validation using **JavaScript** and **Regular Expressions**.
* Responsive Web design and development, application development using HTML5, CSS3 Media Queries and **Bootstrap** grid system.
* Used **NodeJS** for the management on interchange of the data between the servers and the users with the help of web sockets. Worked on improving front end such as namespaces, closures and custom bindings.
* Used **Jenkins** for CI and for End-to-End automation for all build and CD.
* Created custom **API** endpoints with NodeJS to create **JSON** dataset.
* Used **Angular2**to implement rich functions in various pages: form validation, crud, grid

list,search,sort,pagination,multi-selection,tags-input,advanced/customdirectives, authentication, unit tests, etc.

* Used **Less.js** pre-processor to create importable and reusable style sheets, processed on server-side.
* Performed **Jasmine** Unit Testing and Integration testing of the application.
* Developed **Web API** using **Node.JS** and hosted on multiple load balanced **API** instances.
* Worked the backend by using **Node JS, Express** and **Mongo DB.**
* Used **Node.js** as a proxy to interact with Rest services and interacting with Database.
* Used JSON for data exchange between client and server.
* Committed code change into repository by using version control tool SVN. (Used svn as code repo)

**Environment**:HTML5,CSS3, JavaScript, Angular2, AJAX, SASS, CSS2/3, JSON, JQuery, XML, NPM, bower ,NodeJS v2.3.0,Express.Js,MongoDB, Jenkins, Gulp, Jasmine.

**UI Developer**

**Client: State Street, CA January 2016-December 2016.**

**Description:**

State Street institutional investors all over the world to provide comprehensive financial services. Role involved in team is to develop the new UI pages, maintain and update the existing Web pages using HTML5, CSS3, JavaScript, Bootstrap, JSON, and jQuery, Ajax**.**

**Responsibilities:**

* Involved in full life cycle of the software design process including, Requirement gathering, Analyzing, and Designing.
* Worked **on React JS Virtual Dom and React views**, rendering using components which contains additional components called custom HTML tags.
* Used **React JS** for templating for faster compilation and developing reusable components.
* Designed, developed and Migrated from **React** to **Angular 2.** Developed new cross-browser accessible interfaces using **Bootstrap, JavaScript with ES5, Angular** and **CSS t**o deliver advanced user interfaces and controls.
* Created **AJAX** calls using **AngularJS** to handle data operations including ordering and filtering.
* Managed advanced techniques for single page business solutions and front-end **MVC** patterns.
* Used **CSS** and **Bootstrap** to create RWD for different screen sizes and pixels.
* Used **AJAX a**nd **JSON t**o make asynchronous calls to the project server to fetch the data on the fly and also used AJAX for implementing part of functionality for Customer Registration, View Customer Information modules
* Wrote application level code to interact with the backend databases using **jQuery, AJAX and JSON.**
* Used postman to test web service response and also experienced with **Grunt/Gulp.**
* Used many other tools like **Mongodb** database, Mongoose to connect to the online DB, MySQL and **Git Bash.**
* Developed application using **NodeJS** JavaScript libraries with NPM package management system.
* Worked with Karma and Jasmine to write unit test cases.
* Developed the user lookup using **MEAN** (MongoDB, ExpressJS, AngularJS and NodeJS) stack as a part of POC.

**Environment**: HTML5, CSS3, Bootstrap, jQuery, AJAX, JSON, JavaScript, ReactJS, Angular2, NodeJS, ExpressJS, SAAS, Mongodb, Mongoose, Postman, Git Bash, MySQL, GIT, Gulp, JIRA, Chrome and Windows.

**Client: JP Morgan Chase, NYC, October2014-December 2015.**

**Role: Frontend Developer**

**Description:**

SMART (Secondary Marketing Analysis and Reporting Tool) application deals with secondary market where lenders and investors buy and sell existing mortgages This application captures loan information from various external systems and processing the information for trading of loans. It deals with various systems like HP system, RE system, Loan Delivery System, QRM, Trading team.

**Responsibilities**:

* Analyzed business requirements, participated in design, development and testing of various modules.
* Involved in developing the frontend application using web technologies like **HTML5, CSS3, AngularJS, JavaScript, Ajax, JSON and Bootstrap.**
* Used **AngularJS** as framework to create a **Single Page Application (SPA)** which can bind data to specific views and synchronize data with server.
* Used **NodeJS** to structure **JavaScript** code in an **MVC**.
* Extensively used **NodeJS** on front end such as namespaces, closures and custom bindings.
* Created custom **API endpoints** with Nodejs to create **JSON** dataset.
* Worked independently from a rough design spec (or mocked up screenshot) and provide immediate contributions to the team.
* Refactored and enhanced an existing AngularJS application to follow strict MVC patterns.
* Generated new and edited existing design with CSS to accommodate new changes in design and logic.
* Generated some of **NodeJS callback function.**
* Interacted with the project manager for reviewing project goals and for creating proposals for future developments and researching their fields for UI design.
* Watched project changes with Grunt task runner and installed latest version of libraries with Bower based on running in the Node JS environment.
* Involved in writing application level code to interact **with APIs, RESTFUL Web Services** using **AJAX, JSON.**
* Used Git extensively for Version Control.
* Worked in Agile scrum process attending daily standup meetings and completing tasks in sprints.

**Environment:** JPA, RESTful API, GIT, Maven, Oracle, Angular JS, Bootstrap CSS, Node.JS, ReactJS, Grunt, Swagger, Bower, Jenkins, HTML, Java Script, Chrome DEV tool.

**Client: Welltok, NJ April2013- October 2014**

**Role: Frontend Developer**

**Description:**

Welltok, Inc. develops Services based consumer health solution in the healthcare industry. Additionally, the company’s platform organizes health and condition management programs, communities, apps, and tracking devices, and drives engagement by providing personalized guidance.

**Responsibilities:**

* Involved in Requirements and Analysis Understanding the requirements of the client and the flow of the application as well as the application Framework.
* Re-platforming of web design includes **HTML, XML, CSS, SASS, JSON,** **JavaScript**, JSP, **JQuery, AngularJS, NodeJS, Gulp, and Jasmine**.
* Expertise in DOM manipulation using **JavaScript, jQuery and Angular JS**.
* Used Firebug and IE Developer Toolbar for debugging and browser compatibility.
* Used CSS Blueprint to create grids and adopt cross browser interactive features.
* Developed mockups and prototypes using HTML and CSS3.
* Developed **Quote generation and Policy management** modules using **AngularJS**.
* Used features in **AngularJS** such as data binding, routing, custom filters, and custom directives to meet business requirements.
* Used **Bootstrap** components of **Angular-UI** like carousel, collapse, dropdown, and tabs to develop dynamic responsive Web Application.
* Used **node.js** for the management on interchange of the data between the servers and the users with the help of web sockets.
* Created controllers and view pages along with **Bootstrap** and **HTML5** for dynamic web application.
* Used **Less.js** pre-processor to create importable and reusable style sheets, processed on server-side.
* Performs UNIT testing with **JASMINE** and develops web services using **RESTFUL API**.
* Used **Node JS, Express JS** to create server-side MVC framework with **MongoDB.**
* Used **AJAX and JSON** to make asynchronous calls to the project server to fetch data on the fly.
* Used **NPM** and **BOWER** for scaffolding the **AngularJS** application.
* Developed the application for responsive to different screen resolutions using **Bootstrap** and CSS3 **media queries**.
* Experience with **Grunt** to perform **minification**, compilation and **Bower** to maintain package dependencies.

**Environment:** JavaScript 1.8.5, HTML5, CSS3,NodeJS v2.3.0, Unix, Java 8, Eclipse, RESTFUL Web services, Bootstrap, Backbone.js, Grunt, JQuery 1.11.1, AngularJS 1.4.0, NPM, bower, JSON, Ajax, JSP, GitHub, MongoDB, Jasmine.

**Role:** **Web Developer**

**Client: CSS Crop, India**  **July 2011-March 2013.**

**Description:**

CSS Crop is a global provider of business solutions with focus on adding value to client operations.

**Responsibilities:**

* Developed an application from scratch, which is an internal website/portal for the employees of Vispro. This helped as a tool, which helped the team members of a project to catalog their work on daily basis and allows team lead to view, comment and leave feedback on the work performed by the team members developed using MVC.
* Developed **jQuery**-based calendar to schedule meetings and appointments.
* Also designed and developed interactive web applications using **JavaScript** and CSS. Extensively used **Bootstrap** and **CSS media queries** for **Responsive Web Design**
* Created different front-end forms with nearly 20-25 fields and **validated** those forms using the code written in JavaScript.
* Created HTML navigation menu that is role based wherein menu items changes dynamically based on the values derived from the database in the form of XML
* Worked on Version Control System on day-to-day basis to maintain the code history.
* Integrated the application with the RESTful web services.

**Environment:** HTML, CSS, JavaScript, JSON, jQuery, Bootstrap, SQL, Sublime

**Education:**

* Bachelor’s Degree Computer Science and Engineering Anna University Chennai, India.