**UI Developer**

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**UI Developer** with over **4** **years** of experience in software development includes Analysis, Design and Development of Web-based Applications and Enterprise level applications.

**PROFESSIONAL SUMMARY:**

* Strong experience in Developing User Interface (UI) Rich Web Applications, and Web Service Applications using Front End/User Interface (UI) Technologies like **HTML**, **HTML5**, **CSS**, **CSS3**, **JavaScript**, **jQuery**, **Backbone.JS**, **Angular 2.0**, **React JS**, **JSON**, **Bootstrap** **Framework**, **Ajax** and **Media** **Queries**.
* Experienced in Client Side designing and validations using **HTML, HTML5 and Java Script** and Writing code to consume the **JSON** data as a part of JQUERY AJAX calls and update the **DOM**.
* Experience in designing and presenting multiple concepts and iterations around **User Interaction Models**, **Workflows, Wireframes, Mockups, Storyboards and Prototypes.**
* Extensively Worked on **CSS Background, CSS Positioning, CSS Text, CSS Border, CSS Margin, CSS Padding,** CSS Table, CSS Sprites, Pseudo Classes, Pseudo Elements and CSS Behaviors in CSS.
* Strong experience in Utilizing **CSS3** **media** **queries**, **SASS** and **Responsive** Web Design making the Web Pages Fluid across Multiple Devices. (Grid, Fluid layouts and Break Point approaches).
* Converted the mock-ups into hand-written **HTML**, **CSS3**, **XHTML**, **JavaScript**, **jQuery**, **AJAX**, **XML** and **JSON**.
* Maintained existing UI Applications and upgraded them using **CSS3**, **jQuery**, **AJAX**, **JavaScript**, **React JS**, **Backbone. JS**, **JSON** and **HTML5**.
* Experience in developing client-side scalable **Single Page Applications** (SPA) with MVC architecture using Angular framework and **Search Engine Optimization** (SEO) techniques.
* Experience in consuming **RESTful Web Services** data (JSON/XML) using jQuery AJAX and Angular $HTTP & $Resource services.
* Designed Frontend with in object-oriented JavaScript Framework like **React JS** and created forms to collect and validate data from the user in HTML5 and **React JS**.
* Experience in working with third party web services APIs and Web Services using **AJAX** and **JQUERY and** working knowledge on JavaScript library **JSON and XML, jQuery, CSS3, W3C Standards**.
* Exposure in developing distributed Web based back end applications using **Java/J2EE** technologies (Core Java, Servlets, JSP, Struts Framework)
* Experience in Unit Testing, Integration Testing and TDD (Test Driven Development) approach using popular test runners like **Karma** and **Jasmine** for **Angular** framework.
* Expertise in using debugging tools like **Firebug** and built in **IDE** debuggers for troubleshooting existing code.
* Experienced in developing Html pages based on DIV layout, **W3C** Compliance, Section **508** standards, Web **2.0**, RIA, Web Accessibility, Web Usability and Cross browser platform.
* Experienced in deploying applications with continuous integration tools such as **Jenkins**, worked with version control tools such as **Git** and experience in **debugging** and **troubleshooting** existing code.
* Expert in Query writing using SQL, Procedures, Functions and Packages using PL/SQL and proficient in using RDBMS concepts with Oracle 9i/10g, MongoDB and MySQL.
* Experience with full object-oriented software development life cycle using both **Waterfall (UML)** and **Agile (XP)** development methodologies.
* Strong ability to keep up with growing technological trends and quickly find solutions and develop technical expertise for clients within the shortest timeframe.

###### PROFESSIONAL EXPERIENCE

**Client:** **COMCAST, Philadelphia, PA** **Feb 2016 – Present**

**Role: UI Developer**

Description: Comcast is one of the nation's leading providers of communications, entertainment and cable products and services. Headquartered in Philadelphia, PA, we employ over 100,000 employees nationwide whose goal is to deliver the highest level of service and improve the customer experience. My role as UI developer is to work on a web application using HTML5, CSS3, JavaScript, jQuery, Angular 2.0 to develop Front end UI and Rich Internet/Intranet Applications (RIA) Application.

**Responsibilities:**

* Created dynamic web pages those are more user-interactive using **HTML5**, **CSS3**, **JavaScript**, **jQuery**, **JSON**, **Bootstrap** for client-side validations and **Angular 2.0** to design the front-end and redeveloped the existing module with **Angular 2** by writing the code in **TypeScript** for SPA's**.**
* Created **Typescript** reusable components and services to consume REST API's using modular based architecture provided by **Angular** **2**.
* **Used Angular 2's HTTP Client** to Interact with backend and modularized the Application with **Ng-Module.**
* Worked with **Angular 2.0** to develop single page applications for managing **Angular 2.0** applications.
* Developed forms with new validations through **Angular 2** and designed a responsive website using **Bootstrap grid system** to layout contents that fit different devices making the pages responsive by using the **SASS** version of **Bootstrap**.
* Implemented responsive web design using media queries and bootstrap.
* Extensively worked with making calls to Backend to fetch the data as **JSON** response and parse it on the UI for DOM Manipulation using **Angular 2**'s **HTTP** service.
* Used modules, templates, components and data binding in **Angular 2**.**0** and implemented **Angular 2.0** components for navigation and services to connect the web application to back-end **API**s.
* Created custom, widespread use modules and components which extend the elements and modules of core **Angular** andinvolved in **MVC architecture** of **Angular 2** in developing the apps, controllers and directives which are totally customized to meet the needs of the application.
* Built the application with client custom architecture built over MVC UI development with technologies like **HTML5**, **Angular 2** and jQuery and developed multiple POCs to create a user transaction grid in **Angular 2**.
* Developed forms with new validations through **Angular 2** andused routing schemes to develop single page applications **(SPAs)** using **Angular Route** used Dependency Injection **(DI)** from **Angular.JS** factories and services.
* Involved in writing application level code to interact with **APIs, RESTFUL Web Services** using **JSON** and involved in consuming **Restful APIs** and processing JSON data for rendering in UI.
* Defined new validations through**Angular 2** for the form field validation implemented through **HTML5.**
* Designed and documented **REST/HTTP APIs**, including **JSON** data formats and API versioning strategy.
* Implementing inheritance properties using **SASS** for creating responsive stylesheets.
* Debugged the application using **Firebug** to traverse the documents and manipulated the nodes using **DOM** and DOM Functions using **Firefox** and IE Developer Tool bar for IE.
* Configured **KARMA** to run test specs and tested **JavaScript** using **Jasmine.**
* Used **Jenkins** to find and solve defects in a code base rapidly and to automate testing of their builds.
* Used **Git** as a version control. Used Git bash, Source tree and Tortoise Git tools for version control. Creating branches on the source code, adding, staging and committing code as a part of development.

**Environment:**HTML5, CSS3, Bootstrap (3.x.x), TypeScript, jQuery (2.2.4), JSON, Section 508 standards, GitHub, Angular 2.0, SASS, LESS, SCRUM, Ember JS, Media Queries, MYSQL, JASMINE (2.5.x), Firefox, Firebug, Karma, Gulp.

**Client: Cerner Corp, Kansas City, MO**  **Jun 2016 – Dec 2016**

**Role: UI Developer**

Cerner Corporation is an American supplier of Health Information Technology (HIT) solutions, services, hardware devices and building the foundation of intelligent solutions for the health care industry.  My role at Cerner as a web developer is to work on developing web applications using Java Script Client-side technologies.

**Responsibilities:**

* Developed dynamice-mails using **JavaScript,** andhand codingof **HTML5, XHTML** and implemented **CSS3 and JavaScript based navigation system** visually identical to previous table-based system to improve ease of maintenance and organic search engine placement.
* Involved in designing, developing and testing the web application by using the **HTML5**, **CSS3**, **Bootstrap 3.x** and **React JS** for template to fasten the compilation and developing reusable components.
* Working on **React JS** to develop single page apps by extending virtual **Dom and** used **React-Autocomplete** for creating google maps location search on the webpage.
* Used **React JS** and **Redux** to render pages on both the client and server slides and implemented various screens for the front end using **React JS** and used various predefined components from **NPM (Node Package Manager)** and **redux** library**.**
* Used some of the **ES6 features** like Arrow Functions, Extended Parameter Handling, Template Literals and Enhanced Object properties.
* **Used React flux** to polish the data and for single directional flow and Implemented **flux** pattern by using redux framework as a core dependency.
* Responsible for **React UI** and architecture by building components library, including Tree, Slide-View, and Table Grid and upgraded the existing media playback features from **Flex** to **HTML5** mediaelementsanddesigned Prototype and project layout skeletons using **React JS**, **jQuery** and **CSS** and **HTML**.
* Worked on **React JS Virtual Dom and React views**, rendering using components which contains additional components called custom HTML tags.
* Developed the administrative **UI** using **backbone.JS** andused **Ext JS** to build the GUI controls of the application.
* Used **REDUX ASYNC** actions to make the app fully asynchronous and created **flux stores** to migrate an existing **flux** app to **redux.**
* Utilized **React** for its efficient data flow architecture to create a lightweight and render efficient web app that searched projects via the **GitHub** API through keywords**.**
* Used **EXT JS** for building rich internet applications & **Require.JS** to optimize in-browser use and to load the module and to improve the Speed and wrote various classes and methods for data retrieval while implementing **EXT JS** components.
* Created **MySQL** tables to interact with the backend databases (**MySQL** & **Apache**) **JQUERY**, **JSON** and implementedfunctionality to speed up web application.
* Worked with **Jasmine** and **Karma** unittest framework to write unit tests for JavaScript code.
* Using **GitHub** and **Source tree** for version Control Systems Tools.

**Environment:**HTML/HTML5, CSS3, React JS, JavaScript, jQuery, NPM, ES6, Redux, Prototypes, Flex, Ext JS, Require JS, Backbone.JS, React UI, Bootstrap, Jasmine, Karma, MYSQL, GIT, Agile.

**Client: Bharat Synergy, INDIA. Aug 2013 – Dec 2014**

**Role: Jr. Web Developer**

Bharat Synergy established in 2012 to cater to the growing market in the developing countries for domestic, institutional and industrial applications of solar energy in rural, semi-urban and urban areas. My role as a web developer is to develop a new website with complete modern design which will be compatible with existing application to represent various products of the company.

**Responsibilities:**

* Involved in the analysis, design, and development and testing phases of Software Development Lifecycle (**SDLC**).
* Responsible for analysis, design, development and integration of UI components with backend using J2EE technologies such as Servlets, Java Beans and JSP.
* Designed Use Case Diagrams, Class Diagrams and Sequence Diagrams and Object Diagrams, using Rational   
  Rose **XDE** to model the detail design of the application.
* Involved in development, design and implementation front-end part of the widget-based application using **HTML**, **CSS**, **jQuery**, **JavaScript** and used **jQuery** for markup and used **jQuery** plugins autocomplete, validation, drag and drop and more exceptionally.
* Wrote **jQuery** function while implementing various UI Screens across the whole web application (both consumer facing as well as internal application).
* Created **Mock-up** designs and developed various functionalities with Java Script and jQuery.
* Involved in configuration of **Struts MVC**, E-mail, File-Upload, and Integration with **ORM** Framework (Hibernate).
* Consumed Web Services to interact with other external interfaces to exchange the data in the form of XML and by using **SOAP** and developed **SQL** queries to perform insert, update or delete operation on **MySQL** database.
* Implemented **Java** & **J2EE** design patterns.
* Used Spring JDBC for database related activities and implemented database transactions using Spring JDBC Template.
* Preparing **PL/SQL** queries for reporting and analyzing production data for various applications.
* Create complex **JIRA** workflows including project workflows, screen schemes, permission scheme and notification schemes in **JIRA**.

**Environment:** Core Java, J2EE, CSS, XHTML, JSTL, JavaScript, jQuery, Struts, Mockups, ORM, MYSQL, PL/SQL, Hibernate, Spring MVC, AJAX, JSF2.0, JIRA, JDBC, Eclipse.

## **Education**

Master of Science in Software Engineering – University of Houston-Clearlake.

January 2015 to December 2016.

Bachelor of Technology in Computer Science – KL University.

July 2010 to May 2014.

**Portfolio Resume: -**

<https://madhavkolla.github.io/resume/>

**GitHub** **Profile**: -

<https://github.com/madhavkolla>

**Bharat Synergy Website: -**

<https://www.indiamart.com/bharat-synergy/aboutus.html>