## Nikitha Frontend/UI Developer

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**At a glance:** Around 8 years of experience in UI/Web Development and Front-End UI Development using HTML4/5, CSS2/CSS3, Bootstrap, DOM, JavaScript ES5/ES6/ES7, jQuery, jQuery UI, AJAX, JSON, XML, REST API, MEAN (MongoDB, ExpressJS, AngularJS, Node.JS) and MERN (MongoDB, ExpressJS, plunker, Node.JS) stack, glamor, styled-components, Fetch API, Functional Programming, Redux, React Native, Material UI, ExpressJS, MongoDB, Mongoose, async and Redis.

**Professional Summary**

* Worked with Functional Programming, Object Oriented programming and other paradigms with JavaScript – **ES5/ES6/ES7**.
* Experience with **ReactJS** reusable components. Used **JSX** for templating and worked with **props, state, keys, refs, events, props validation** and React **component life cycle** for state management and **dom** manipulation.
* Working with **React Router** for developing **SPA** (**Single Page Applications**) - Used **Browser Router** for web and **Native Router** for mobile.
* Used **Fetch API, Axioms** for making **HTTP** calls. Worked with many **redux middleware’s** and third party react components.
* Experience with **ExpressJS** to create server-side MRC – Model Router Controller API with **Redis** for caching.
* Experience in major web application servers: **Apache** **Tomcat**, **JBoss**, **Express Node.js,** and **Apache** **HttpServer**.
* Experience with **Node.JS, ExpressJS, MongoDB, Grunt, lodash, promises, async, request, body-parser, fs, events, Socket.IO, Zmq, Passport and Mongoose.**
* Experience in creating server-side applications using MongoDB, ReactJS and Node JS.
* Experience in **Use Cases, Sequence Diagrams and Class Diagrams using UML, J2EE Design Patterns.**
* Expertise in **J2EE Architecture** using Java, JDBC, Java Beans, EJB, Servlets, JSP, JMS, Struts, ANT, Log4J, UML, XML, CSS, HTML, and JavaScript.
* Created **Express.jsmodels** which use **Mongoose** models to query, create, update, and delete from **MongoDB**.
* Experience with **Socket.IO** for **Web Socket** engine to make real-time bidirectional event-based communication.
* Experience in developing **Mean Stack** (**MongoDB, Express, AngularJS, Node.JS)** using UI-router, Modules, Services, Controllers and custom directives using **Angular-UI** components (UI-Grid, UI-**Bootstrap**, **UI-Calendar**, **UI-Date**, **UI-Layout**), **services ($resource**) and **REST API’s**.
* Responsive web design(RWD) is developed using frameworks like **Angular** JS 2.0, **typescript** and **MVC** frameworks and **Bootstrap**.
* knowledge of HTML/CSS, Unix/ Linux platform, **PHP** / MySQL, jQuery, Apache Server, Ajax.
* Migration of the existing system written in **Python** to **PHP**environment adding more features.
* Nested as well as Multiple Views are created using **AngularJs** 2.0 **typescript** **UI**-**View** & **UI**-**serf**
* Experience with **ES5/ES6/ES7** features - closures, hoisting, prototypes, block scoping, rest, spread, restructuring, classes, promises, iterators, generators, async, await, maps and sets.
* Good understanding of design patterns – **IIFE, Module, Revealing Module, Prototype, Revealing Prototype patterns**.
* Proficient in **HTML5** new features like Form Validation, **Media (Audio & Video), Canvas, SVG, Web Worker, Local Storage, Session Storage, Web Socket, Application Storage (Offline) and Indexed DB API.**
* Experience in UI designing with **bootstrap, CSS3, font-awesome icons, SVG Sprites, Google Analytics, Google Performance Metrics, Lazy loading, JavaScript and jQuery** scripting technologies.
* Created Responsive web design using **Bootstrap 3, Media Queries, Fluid Layout, Responsive Images and Typography.**
* Used **Bootstrap Grid System** to create responsive **layouts**, **navigation**, **tables**, and **bootstrap** components like **Carousel**, **Modal Popups**, **Tabs**, **Tables**, **Autocomplete**.
* Experience with **CSS3** preprocessors styling such as **SASS** (Mixins, functions, variables and Interpolation) to create and reusable style sheets.
* Having hands on experience in deploying web and J2EE enterprise applications on **WebLogic, WebSphere, Tomcat and JBOSS Server.**
* Used **Babel, Grunt and Webpack** to perform bundling, minification, compilation and **ESLint** for code cleaning.
* Worked on **CI/CD** with **Jenkins, Gerrit, Git** and **AWS** cloud.
* Experience with **Socket.IO** for **web socket** engine to make real-time web application with bi-directional communication.
* Worked with cross browser compatibility issues and did testing on the browsers like **IE, Mozilla Firefox** and **Google Chrome**.
* Used **CSS Grid** System to create responsive layouts, navigation and tables. Used **Bootstrap** components like **Carousel**.
* Used **SASS pre-processor** to create importable and reusable **style sheets**, processed on **server-side**.
* Extensive experience with **jQuery** – **CSS3 Selectors, Sizzle API, DOM traversal**, manipulation and event handling.
* Used **jQuery UI** controls as Accordion, Tabs, Dialog and used **jQuery** mobile data attributes to create mobile friendly pages.
* Experience in **JavaScript** and **node** testing library framework such as **Mocha, Chai, Jasmine and Jest.**

**Skills**

**Web Development:** HTML5, SASS, CSS3, JavaScript, Express.js, React.js, Angular.js Node.js, HTML, CSS, Bootstrap, PHP, typescript, HTML5 API’s.

**Databases**: MongoDB

**Web Technologies:**HTML5, CSS3, JavaScript, jQuery, Angular JS, ReactJS, Node JS, AJAX, JSON.XML, Rest, Soap, J2EE, J2SE, SASS, LESS, Bootstrap, SQL, MYSQL.

**J2SE Technologies:**Core Java, Threads, Swing, I/O, JavaBeans, JDBC, JSP, Servlets, JDBC, Hibernate etc.

**Programming Languages**: Java, JavaScript, SQL

**Operating System:** Windows, Linux, UNIX, Mac OS X

**Software Tools**: Microsoft Visual Studio, Photoshop, Dreamweaver

**IDEs worked on**: Notepad++, Visual Studio, Eclipse and Web Storm, Atom

**Application Servers**: Apache Tomcat, Web Logic, Web Sphere.

**Work History**

**Client: GE Digital, Albany NY 02/2017 to present**

Frontend/UI Developer

Project: Workforce Management

About Project: WFM is an ecosystem of reports itself being a single point of reference for all the decisions related to workforce management. It displays the variance between the planned and forecasted man hours at department and job role level. The tool is consumed by stakeholders at different levels throughout the organization in USA.

**Responsibilities:**

* Leading 5-member development team and ensuring timely delivery of platform components
* Development of UI components for data visualization
* Following best practices for optimal scaling of the application
* Unit testing of components and automation of deployment, testing and build processes
* Working in client environment
* Extensively used Angular4 form like Template Driven forms and Reactive forms to perform validation both on server and client side.
* With the concept of ReactJs Worked on usage metrics and end to end events tracing for analysis purpose.
* Enhanced legacy application by building new components in **Angular 2** and **typescript**.
* Developed single page applications using **Angular 2**, **Typescript**, **web pack** and **grunt**.
* Experience in Developing User Interface (UI) Rich Web Applications and Web Service Applications using HTML 4, XHTML, CSS 2, XML, AJAX, Object Oriented Java Script, **ANGULARJS, REACTJS, BOOTSTRAP Framework, RESTful services, JAVA, JSP.**
* Design and Developed a single page application using Angular4, ReactJS, Type Script, HTML5, CSS3 and Bootstrap.
* Developed entire frontend and backend modules using Python.
* Rewrite existing Python/Django modules to deliver certain format of data.
* Use XAMPP to set up local testing environment for **PHP**.
* Help drive the definition of **PHP** and JS frameworks to support new features and refactor legacy elements  
  Monitor evolving **PHP**, JavaScript, NoSQL and UI Framework trends and technologies for possible adoption
* Developed front-end management features for the Ruby on Rails-based website. This involved view, controller, and model development as well as CSS and JavaScript front-end work too. SASS and Compass were used in later iterations.
* Leveraging the environment of React and Node for several aspects like
  + Design and development of various front end reusable components using **ReactJS** with **Redux** as state management library
  + Designed Pdf, Excel and Print previews for all the reports in the application
  + Involved in writing application level code to interact with APIs, Web Services using **redux-thunk.**
  + Worked with HTML5, CSS3, JSON, JavaScript, Reactjs and ES6   for developing user interface.
  + Responsible for making responsive web pages using twitter bootstrap and media queries.
  + Developed application pages using HTML, CSS, JavaScript and jQuery.
  + Excellent in **front-end UI** design implementations by writing **HTML5/HTML**, **CSS3/CSS**, **Bootstrap, JavaScript, jQuery, jQuery UI, jQuery Mobile**to make better **Single Page Application SPA**working on**Node.JS**Server.
  + Created the **Node.js EXPRESS**Server combined with **Socket.io** to build **MVC framework** from front-end side **AngularJS** to back-end **MongoDB**, to provide **broadcast**service as well as **chatting**service.
  + Involved in writing application level code to interact with APIs, Web Services using AJAX and Angular resources.
  + Using **Semantic-UI** as the CSS framework for ease of styling
  + Leveraging **Redux** for state management using **Actions, Dispatchers, Providers, Store**
  + Implemented Grails Services and controllers to perform actions. Developed the server side for REST API’s using **Node.JS with Express framework**
  + Implementation of generic services by layering the code using **callback mechanism** of JavaScript
  + Using **Mongo queries** for optimizing the data fetching from **MongoDB**
* Using GitHub to maintain the repository.
* Managed and maintained development of **PHP** backend for dynamic database driven websites
* Designed and implemented **PHP** MySQL solutions as per project specifications
* Assigned the responsibilities of troubleshooting problems with Ruby and other web technologies
* Created **PrimeNG quickstart application based on PrimeNG, AngularJS2, Node.js, PrimeUI,JS and CSS** technologies and involved in bug fixing.
* Created the **Node.js EXPRESS**Server combined with **Socket.io** to build **MVC framework** from front-end side **AngularJS** to back-end **MongoDB**, to provide **broadcast**service as well as **chatting**service.
* Build **REST**web service by building **Node.js**Server in the back-end to handle requests sent from the front-end **jQuery Ajax calls**.
* Developed REST Services in Django Python Framework and have developed many unit test cases in Python.
* Experience using Python and Shell Scripts.
* Involvement in Agile methodology of project management as Scrum Master
* Managed projects with GRUNT task runner.

**Environment:** HTML5, CSS3, React.js, AJAX, Node.js, MongoDB, JSON, typescript, Angular4, Atom, PHP, Photoshop, JavaScript, SASS, Agile methodology, Ruby, Python, GIT and Windows**.**

**Client: Pitney Bowes Shelton CT 02/2016 to 01/2017**

Full Stack Java Developer

Project: Contact Center

**About project:** Pitney Bowes Contact center is a 4-member team which is responsible for automating the web dashboard which showcases daily reports

**Responsibilities:**

* Used **Agile** methodology and actively participated in **Scrum** meetings to produce quality deliverables within time.
* Actively involved in requirements gathering, analysis, conceptual design while upgrading the project on spring framework.
* Used **J2SE, Exception, Collections, Threads, JEE, Open Source Technologies/API** for application development.
* Used Angular JS as the development framework to build a **single-page application**.
* Involved in integrating AngularJS MVC with **Spring MVC**.
* Developed the applications using **Java, J2EE, Struts, JDBC**
* Involved in preparing the High Level and Detail level design of the system using **J2EE**.
* Coded in Angular2 MVC framework to build the Web application for the internal use of the organization.
* Worked with HTTP/HTTPS protocols by using angular2 components to build RESTful services.
* Created set of classes using **DAO pattern** to decouple the business logic and data.
* Implemented asynchronous messaging service though **JMSTemplate**.
* Written **message driven POJO**’s simple java objects that reacts to messages arriving on a queue or a topic.
* Configured spring bean with message-broker specific implementation with **ActiveMQ** message broker.
* Utilized **Spring Security** for authentication and authorization
* Using **Spring JMS**, Implemented Topic publish method in the JMS Connection Pool.
* Utilized **Java Messaging Service (JMS)** API for listening to messages from MQ queues and conversion of string messages to message entities.
* Implemented **Message Driven Beans(MDB)** asynchronously receiving message from the Queue.
* Implemented agent-server messaging dialog using **Camel** and JMS (**Active MQ** implementation).
* Used **Spring**-**JPA API** for the persistence layer implementation.
* Used **Spring JPA templates, JDBC templates** for the DAO classes.
* Used **JPQL** to persist, retrieve data objects to be used by presentation layer JSTL, JSP pages.
* Created **Triggers**, **Views**, **Stored procedures, functions** and packages in JPQL.
* Used **Service Oriented Architecture(SOA)** for implementing Restful Web services.
* Involved in developing the Restful Web Services using Spring MVC to extract data from the databases.
* Consumed Web Service for transferring data between applications using **Restful** API’s along with **Jersey API** and **JAX-RS.**
* Analyzed the **Node.JS** server structure in legacy project, then mimicked the **REST service** by using Java**JAX-WS**API and did the corresponding configurations.
* Develop functions, stored procedures and write queries using **Oracle** database.  
  Develop the interface for the application using **JQuery, CSS** and **HTML and PHP**.
* Hands on experience in writing light weight**Node.js express**server, and using technologies like **Ajax**, **JavaScript/jQuery**, **JSON** to make connections between server and databases like **MongoDB** and **MySQL**.
* Used **ReactJS** to create Controllers to handle events triggered by clients and send request to server.
* Experience in working with **React** **Router** for developing Single Page Applications SPAs.
* Developing high-quality Web applications while improving and maintaining an existing MVC code base in Ruby on Rails.
* Responsible for modifying and extending open source applications like Ruby and jRuby.
* Implemented REST web service using **JAX-RS API annotations**.
* Developed **Restful Web services** to allow communication between applications over HTTP**.**
* Build **REST**web service by building **Node.js**Server in the back-end to handle requests sent from the front-end **jQuery Ajax calls**.
* Analyzed the **Node.JS** server structure in legacy project, then mimicked the **REST service** by using Java**JAX-WS**API and did the corresponding configurations.
* Worked on **JSON** for representing data records over HTTP protocol using GET, PUT, POST, DELETE methods.
* Implemented various complex PL/SQL queries.
* Created Business Logic using Python.
* Worked on core java, using file operations to read system file (downloads) and to present on JSP.
* Wrote PL/SQL stored procedures and did performance tuning of complex queries using SQL Navigator.
* Used various Core Java concepts such as **Multi-Threading**, **Exception Handling**, **Serialization**, **Collection APIs** to implement various features and enhancements.
* Implemented **concurrency control mechanism** in multi-threading through **Monitors**.
* Used **Concurrency concepts**, **Garbage collection**, **Exceptional Handling**, **Memory management**, and **OOPS concepts**.
* Used concurrency utilities like **blocking queues**, **executor service**, and **thread pool executor**.
* Developed the **Maven** scripts for preparing **WAR files** used to deploy J2EE components.
* Used **WebSphere Application server** to deliver a new class of enterprise applications that enhance business interactions and transactions between a company and its key constituencies.
* Used **SVN** as source control management tool
* Interacted with the users and documented the System.
* Generated JRXMLS and integrated into my project.

**Environment:** Java1.7, J2EJSP, HTML, CSS, Angular JS, Angular2, ReactJS, Node.js, JavaScript, XML, XSD, PHP, JSP, J2SE, J2EE, Servlets, WebSphere Application server, SOAP, JPA, Spring Framework, SVN, Oracle 11g, PL/SQL, Agile, MAVEN, Eclipse, Linux, Ruby, Python, JNDI, Active MQ, PL/SQL.

**Client: Capital One, Plano, TX 08/2014 to 01/2016**

**Role:** UI Developer

Project: Customer Insights

**About project:** Customer insights is a 5-member team responsible for visualizing the analyzed data on the customer behavior and customer purchase patterns

**Responsibilities:**

* Creating a Single Page Application with reusable components using AngularJS for visualizing the data consumed by the stakeholders at various levels
* Following best practices for optimal scaling of the application and responsive design across various resolutions
* Leveraging the framework to develop an optimized and scalable application in several aspects like
  + Used **Mobile-first responsive** grid layout using **Bootstrap 3**. Extensively used Media Queries to support components for various resolutions
  + **UI-Router** module, which is state based for multiple view and encapsulated each with a controller for reusability throughout the application.
  + DOM manipulation using **two-way-data binding.**
    - **$watch (), $digest ()** and **$apply ()**
  + Creation of MVC like architecture using **factories and services** for model layer, AngularJS **controllers** (including **dependency injection)** for the controller layer and HTML **templates** for the View layer
  + Creating custom directives for the **DOM** manipulations and Filters for formatting decimal places and pagination.
  + Using **CSS** sprites to decrease the number of **HTTP** requests and load time of web pages to improve page performance.
  + Implemented **CSS3** features like CSS3 **Media Queries, Pseudo Classes, multi-column layout, gradients and web fonts**.
* Unit testing of components using **jasmine and karma**
* Automation of deployment using CI tool **Jenkins**, testing and build processes (minification) using **Grunt**

**Environment:** HTML5, CSS3, Bootstrap 3, JavaScript, DOM, Ajax, JSON, AngularJS, Angular UI, Restful API, Grunt, Jenkins.

**Client: Underwriters Laboratories, Northbrook, IL 02/2012 to 07/2014**

**Role: UI Developer**

**Project: UL Web**

**About project:** UL web is a 4-member team that is responsible for design, develop and maintain the main website to improve user experience

**Responsibilities:**

* Involved in gathering the Requirements, Analysis, Design & Development of the project.
* Design and development of various components of **user interface** using web technologies like **HTML5/CSS3, Angular JS** and **bootstrap.**
* Using AngularJS as framework to create a **Single Page Application** (SPA) which can bind data to specific views and synchronize data with server**.**
* Enhancing the existing web application to follow strict **MVC patterns** using **AngularJS** for improved source code maintenance which resulted in
  + **40% code reduction**
    - By creating reusable components using templates in AngularJS
    - Making directives (like changing the date formats, error checking, tables) for commonly used code
  + **Ease of upgrade**
    - By externalization of environment variables and configuration properties
    - By externalizing the data for i18
  + **Scalability**
    - Leveraging the asynchronous behavior patterns in JavaScript which helped in handling higher number of user requests
* Using **Node Package Manage (NPM**) as package manager for **JavaScript**, **GULP** for task runner, which handles template cache and code minification and Bower for installing frontend dependencies.
* Used Node.JS for processing the incoming data in each level and generate a document and save it to MongoDB.
* Design and implement Vantage system Focus on bond reference data evaluation data market transaction data aggregation data collecting and presenting front-end functionality using JQuery/JavaScript/ Angular JS/JSON/PHP/ Oracle /My SQL / JDBC and improve the accessibility of website for bond transparency
* Performing Verification and validation process for the code written by making use of **Jasmine and Karma** JavaScript testing framework by testing across various scenarios of the Angular JS applications.
* Involving in **Agile** based approach to UI development Managed and implemented all codes changes via **SVN**. Deploying builds across development, Staging and production instances and maintained code integrity.
* Design and prototype high performance Excel API using PHP.
* Working in client environment

**Environment:** HTML5, CSS3, JavaScript, JQuery2, JSON, DOM, Node.JS v4.0, AngularJS 1.5x, Bootstrap3, PHP, Drupal, GULP, Subversion (SVN), Apache Tomcat8.0, AJAX, Agile, XML, JAVA, Eclipse.

**Client: TriBro Soft Tech, India 06/2010 to 10/2011**

**Role: Java Developer**

**Responsibilities:**

* Extensively involved in requirements gathering and analyzing them, checking the dependencies and design of the project.
* Implemented server-side tasks using **Servlets and XML.**
* Designed and developed User Interface using **JSP, CSS, HTML and JavaScript**. Used JavaScript DOM manipulation and JavaScript event to generate the data result in UI.
* Designed and Developed Java Script frame work for UI Configuration widgets.
* Used OO **Java Script, JSP, jQuery, HTML and CSS** to develop the application.
* Involved in redesigning the entire site with CSS styles for consistent look and feel across all browsers and all pages.
* Responsible for transforming design mock-ups to W3C standards compliant HTML pages using **HTML, XHTML, CSS**.
* Wrote code to fetch data from Web services using **JQUERY AJAX via JSON** response and updating the HTML pages.
* Wrote script for **AJAX** implementations in the website.
* Performed **XML** Transformations from value objects to XML and from xml to HTML data.
* Designed and developed views, controller and model components implementing Struts Framework**.**
* Implemented Design patterns for recurring problems.
* Responsible for the process of **UI** design for Internet sites and applications.
* Used Cascading Style Sheet (**CSS**) in web pages to separate presentation from structure.

**Environment:** Java, J2EE 6, Windows NT 4.0, UNIX, My Eclipse IDE, JSP 2.1, Servlets 2.5, Apache Tomcat 6.0, Web logic, JDBC, XML, HTML4, Oracle8.