

SHUBHANGH Y

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Professional Summary:

- UI/UX Overall 6.5 years of experience in developing professional web applications which includes front-end designing and hand coding with solid proficiency in usability, web and client/server applications.
- Experience in designing User Interface (UI) applications and professional web applications using **HTML 4.0/5, CSS2/CSS3, JavaScript, jQuery, AJAX, JSON and XML**.
- Expertise in developing various JavaScript frameworks like **React.js/ Redux, Redux Saga, Angular.js Backbone.js, Require.js, Node.js, Knockout.js, Express.js, Underscore.js, Ext.JS**, Responsive web design (RWD).
- MVC is one of the most frequently used industry-standard web development frameworks to create scalable and extensible projects.
- Experience in designing the interface UI/UX strategy, UI requirements, converting findings into UI designs.
- Hands on experience in developing **Responsive Web Design, Cross Browser issues handling and designing table-less layouts and Web Standards**.
- Experience in using **HTML, CSS, Twitter Bootstrap and Angular JS for Web Designing**.
- Excellent experience in **Restful Web services, Big Web service development** and consumption.
- Hands on experience in developing web applications and implementing Model View Control (MVC) architecture using Server-side applications.
- Used **Node Package Manager (NPM)** and **Browser as package manager** for installing backend and frontend dependencies.
- The Document Object Model (DOM) is an application programming interface (API) for valid HTML and well-formed XML documents. It defines the logical structure of documents and the way a document is accessed and manipulated.
- Experience of working on CSS Preprocessors like **LESS and SASS** along with JavaScript task runners like **Grunt and Gulp** and bundlers such as **web pack**.
- Experience in developing web applications using **MVC architecture**.
- Hands on experience using the version control tools like **Git, SVN and TFS** and project management/ticketing tools like **JIRA**.
- Hands on expertise integrating **Jenkins with GitHub private repo, build automation tool Maven**.
- Familiar with popular browsers development and debugging tools/plugins for IE tester, **Chrome Inspector, Firebug, Jasmine and Karma testing framework**.
- Considerable experience with IDEs like **Microsoft Visual Studio ,Eclipse, NetBeans, WebStorm, Sublime, Notepad++**.
- Experience in all phase of SDLC like Requirement Analysis, Implementation and Maintenance, and experience with Agile and SCRUM.

Technical Skills:

Web Technologies.	HTML/HTML5, CSS/CSS3, Bootstrap, AJAX, XML, JSON, UI Concept Modelling/Wire Framing, P, Adobe.
Scripting Languages & Frameworks	React.js, JavaScript, jQuery, AngularJS, Angular2, TypeScript, Node.js, Polymer, JQuery, Backbone.js, Ember.js, Ext.js, Express.js, DOJO
Operating Systems	Windows, Mac, UNIX
Methodologies	Agile, Waterfall
Others Software Skills	Java, J2EE, AWS, Spring, Axure, Jasmine, Karma, Hibernate, Web Services (SOAP and REST), JUnit
Project Management tools	Jenkins, JIRA, Slack, Maven, ALM

Professional Experience:

Client: Ford Motor Company, Michigan

April 2019 - Present

Role: Software Engineer – React Js

Responsibilities:

- Worked in developing an HMI (Human Machine Interface) application for Ford IVI (In Vehicle Infotainment).
- Developed custom and re-usable components to suit the design requirements using React Js.
- Used **React Js library** with **Redux state management** and **Redux saga** as the middleware library.
- Used **React Hooks** like **useState**, **useEffect** etc., in the process of migrating application to class components to functional components for boosting performance of the application.
- Used **Observables** for exchanging messages between publishers and subscribers and also to handle **asynchronous operations**.
- Created react **custom hooks** for reusable logic.
- Used **MQTT** (Message Queuing Telemetry Transport) Broker to publish and receive the messages to and from the Abstraction Layer.
- Worked for HMI media application that communicates with the connected devices through MQTT client.
- Worked for HMI Applink application that deals with the Applink Services and SDL (Smart Device Link).
- Used web engine API's to receive and pass the data to the backend.
- Created and used **Google Protocol Buffers** to serialize the structured data, communicate between applications and storing data.
- Created functionalities in **SDK (Software Development Kit)** to support the application execution process.
- Created **Lazy loading** for the components for Performance boost and rendering only the necessary components while the application is started and rolling.

- Developed **event handlers, services** and **HOC** (Higher Order Components) to wrap different custom components around it.
- Installed **static flow typing** in the project and implemented flow typing in various components to have them on strict static data typing.
- Installed new packages to the project using **npm, gulp** and **pnpm**.
- Transfer data between parent and child Components by using props and call back functions.
- Used **Linux based Operating system** (Ubuntu) to write, build and deploy code to the HMI module.
- Performed **SSH** to the module and to the vehicle to modify files and deploy testing code.
- Used tools like **DET (Diagnostic Engineering Tools)** and **VNmodSim(Value Can mod simulator)** tool to simulate the inputs to the working module.
- Written **BASH script** to automate npm commands that install node packages and build the application.
- Used **GIT** as version control system and **Jenkins** to trigger custom builds and PR builds.
- Used **OpenGrok** as cross reference engine to search source code of different services.
- Wrote supporting documents when new implementations are made or any new approaches are pursued.
- Performed software flashing on the module and in the vehicle.
- Involved and performed in vehicle testing.
- Integrated different custom services with React project to get and post the data.
- Referred backend code in C++ for debugging and issue and understanding the data flow.
- Involved in rendering custom **HTML** tags using **React.js**.
- Implementing client-side Interface using **React.js**.
- Performed live debugging using Remote Debugging tool.
- Attended daily standups to update the work progress, attended sprint planning meetings and retrospective, took part in best practices meetings.
- Used VISIO tool to make modification for UX design to pitch new ideas to the specifications of the application.

Client: Foundation Source, Utah

July 2018 – April 2019

Role: Angular 4/5 Developer

Responsibilities:

- Worked in Agile methodology with daily SCRUM and actively participated in daily standups to discuss the progress of the application and was also involved in Sprint planning and retrospectives.
- Extensively participated in UI/UX process for research, **analysis, design, prototyping, testing and iterations**.
- Designed and developed a web application by **using Angular4/5 as front-end** and using **Web API** to receive and pass data to back-end.
- Responsible to manipulate **HTML5, Bootstrap, CSS3, Prime Ng** as well as making the pages for sites and improving web applications.

- Used **Angular 4 & 5 framework** to build an MVC architecture.
- Developed event handlers, services and injectables, custom directives in Angular 4 core.
- Created angular router for **single page application** for authenticating multiuser role-based applications in Angular 4 Router.
- Created custom directives for re-usable components (multi-field form elements, background file uploads, etc.) in Angular 4.0.
- Experience working on Structural directives and Attribute directives in **Angular2 using TypeScript**.
- Created typescript reusable components and services to consume **REST API's** using **component-based architecture** provided by Angular 4.
- Extensively used Bootstrap to implement **Bootstrap buttons, forms, paginations, grids, popover scroll spy** in webpages.
- Transfer data between parent and child Components by using @Input and @Output.
- Implement Services to store shared data between sibling Components and inject in to it for passing data purpose.
- Experience in writing **Components, Pipes and Services** to separate concern and handle different situations by using Angular4.
- Skilled using Angular Material and Bootstrap 3.2 to do view design and template functions such as pagination and models.
- Successfully performed REST APIs integrating using **XML and JSON**.
- Designed DOM based interactive to reprogram selected links and adopted WCAG 2.0 standards for **HTML** and **XHTML** and **W3C** standards for CSS as well.
- Using MongoDB managed user permissions, writing NoSQL queries, optimizing the database for transactional purposes and creating single sign on features.
- Implemented Route Guards for Authentication, using HTTP in Service to connect with URLs from Web API, using postman and swagger to test Web API.
- Co-ordinate with other software developers when modifications are required to multiple modules or applications and Support the Testing Team on Bug Fixing.

Environment: HTML 5, CSS3, Typescript, Angular 4/5, ES5/6, WCAG 2.0, Node JS Java, Spring, Mongo DB 2.6, JavaScript, AJAX, CSS2/3, Jenkins, JSON, Adobe Photoshop, XML, Apache Tomcat v6.0, GIT and REST Web Service.

- Developed and deployed Action Classes and JSP for Dynamic HTML generation.
- Generated new and edited existing design with CSS to accommodate new changes in design and logic.
- Created web pages which are informative and yet very neat and interesting to look at.
- Responsible for design and development of the web pages from mock- ups.
- Worked closely with business users and developers of team to resolve issues.

Environment: HTML5, CSS3, JQuery, AJAX, Responsive Web Design, Jasmine, Grails, Angular.js, python, Node.js, React.js, JQuery UI, JSON, Dreamweaver, Photoshop, Flax, JavaScript, JSP, SASS and Windows

Client Growmark, IL

Feb 2017 – April 2018

Role: Frontend Developer

Responsibilities:

- Responsible for designing elegant User Interface by coding in **HTML5, CSS3, Bootstrap, React.js, Node.js and Angular2** to build **SPA Single Page Application**.
- Integrating the front-end UI to the backend using **MVC** framework.
- Responsible for creating UI using **WCAG 2.0** standards and meeting W3C standards.
- Integrating **React Redux** framework to scale and keep up the application better while dealing with the huge amount of data.
- Extensive creation of **React component** classes to create UI components.
- Utilized **React Router** for routing the redux app to connect redux and react to support routes.
- Developed various screens for the front-end utilizing **React JS** and utilized different predefined components from NPM (Node Package Manager) and Redux library.
- Extensive use of Higher Order Components in a **React-Redux** application.
- Working with **ECMA Script 6** features. For build of JSX and ES2015 (ES6) used **Babel** and configured **Webpack**.
- Developed various screens for the front-end utilizing **React JS** and utilized different predefined components from NPM (Node Package Manager) and Redux library.
- Integrating **React JS** framework to scale and keep up the application better while dealing with the huge amount of data.
- Used AngularJS by consuming **REST Web Services**, used AngularJS framework to build web-apps.
- Built reducers and components in Redux to manage **state** in React.
- Experience in React.js for creating interactive UI's using One-way data flow, **Virtual DOM, JSX**.
- 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.
- Extensive use of NPM to manage packages in **Node JS**.
- Used **Node JS** to run Web pack tasks and **build** properly the project.
- Implemented inheritance properties using **SASS** for creating responsive style sheets.
- Used **PL/SQL** for interaction with RDMS to store customer and application related data.
- Created design mock-ups and wireframes using **Adobe Photoshop CS4** and **Dreamweaver CS3**.
- Used **JIRA** as a ticketing tool, bug tracking and issue tracking.
- Debug the application using Firebug to traverse the documents and manipulated the Nodes using **DOM** and **DOM** Functions using **Firefox (Firebug)**.
- Involved in bug fixing on functionality, performance and designing issues with React JS Using **Mocha & Chai**.

Environment: CSS, JavaScript, JQuery, ES6, React JS, Redux, Dreamweaver CSS, WCAG 2.0, AJAX, JSON, REST Web Service, HTML5, CSS2/3, DHTML, Jira, MVC, Node.js, Photoshop, Mocha, Chai, PLSQL

Client: Sankhya Infotech, India

May 2015 - Dec 2016

Role: Jr UI Developer

Responsibilities:

- Followed Agile Practices for developing the application.
- Developed the front-end website in **HTML, CSS, jQuery, JavaScript and AngularJS 1.5**, in a responsive grid layout using **Angular UI framework** based on **Bootstrap**.
- Embedded new Media Elements i.e., video and audio files using the **HTML mark-ups** and used HTML file API for uploading local files from the client-side.
- Worked with Bootstrap framework making use of grids, advance components like **Navbars, Pagination, Alerts, Progress bars** etc.
- Refactored, re-architected, and enhanced an existing AngularJS application to follow strict MVVM/MVC patterns for improved source code maintenance.
- Worked on AngularJS for displaying error messages, success messages to the user by using **ng-if, ng-show and ng-hide**.
- Creating custom, general use modules and components which extend the elements and modules of core AngularJS.
- All **jQuery, Ajax methods** are used to call ajax method which is used as request call for **Ajax asynchronous HTTP request**.
- Performed use case analysis and design **SOAP, REST APIs** on social integration of web.
- Responsible for creating UI using Web 2.0 standards and meeting W3C standards.
- Exercised **jQuery** for client-side validation on multiple web forms.
- Used **NPM (node modules) and Bower (angular components)** for packaging management and Grunt for UI task runner.
- Used **JDBC for data access/ Integration** and to do CRUD operation with database.
- Worked on the website from start to finish to give it a latest look using **HTML5/CSS/JavaScript**.
- Responsible for creating the screens with table-less designs meeting W3C standards.
- Communicated with Project Manager, Designing and Marketing Team to understand the requirements for development and specifications.
- Involved in Agile process on TDD, two-week Sprints, and daily Scrums to discuss the development of the application.

Environment: **HTML, XHTML, DHTML, XML, CSS, AJAX, Bootstrap, JavaScript, jQuery, Photoshop, Angular.js, Photoshop, Jasmine, Protractor, GitHub, SQL, Microsoft FrontPage, JavaScript, Java, Windows.**

Client: **Uniquode Private Limited, India**

May 2014 – March 2015

Role: **Software Developer**

Responsibilities:

- Performed front end development for website applications using **HTML, CSS and Javascript**.
- Created a website using **HTML**, designed all pages using **CSS and JavaScript**.
- Involved in writing **jQuery-based Ajax requests** using **jQuery.get or jquery.ajax and jQuery post**.
- Involved in requirements analysis and Implemented 3 rounds of content inventories, storyboards, visual web banners, and marketing collateral.
- Involved in developing and testing the intranet web applications using **JSP, JavaScript and CSS**.

- Used Waterfall Methodology for developing the project.
- Produced **GUI prototypes** for business logic presentations.
- Analyzed user requirements and converted into use cases.
- Used **GIT** for tracking the flow of user stories.
- Adobe Photoshop has been used to create different banners and designs.
- Worked on websites using **content management system** (CMS).
- Performed manual testing on the software applications of the company.

Environment: HTML, CSS, Adobe Photoshop, Adobe Illustrator, JavaScript, JQUERY, AJAX, DHTML, MS-office.

Entrepreneurship: edujock

2015 - 2017

- Partnered with couple of friends and started a web platform for students who aspire to pursue any education overseas.
 - The startup was named **edujock**, I came up with the ideas for the names and took care of getting the domain for the website, development and hosting of the website. You can visit the website here (edujock.com *)
- [* Business or the website is not functional now, after we decided to end the business, I reduced the content of the website and made it more static].
- Used **JavaScript, jQuery, HTML, CSS, Bootstrap, PHP and SQL** for development of the website.
 - Used **XAMPP, POSTMAN, PhpMyAdmin** for local development and testing.
 - Other responsibilities involved **Finance management** for the firm, **Digital Marketing**, planning and hosting student awareness events.
 - Lead the team in getting investors, venture capitalists, preparing and giving presentations to acquire investors.