

## Sr. Front End Engineer

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### Experience Summary:

- Around 12 years of experience as a front-end UI developer with strong experience in building enterprise level web applications.
- Experience in working on user interface web applications using **HTML5, CSS3, JAVASCRIPT, TYPESCRIPT, JQUERY, JAVASCRIPT, TYPESCRIPT, JQUERY, AJAX, JSON, ANGULAR 1/2/7, REACT, and NODE.JS** with Express Framework.
- An experience across various industries including Health, e-commerce and media involved in all the phases of software development life cycle (SDLC), such as Analysis, Designing, Developing, Integrating, Implementing and testing of Client-Server and Web-based applications
- Good Knowledge on working with **OAuth2** to provide authentication and authorization to Rest services by exchanging Access tokens.
- Proficient in utilizing **React Native** framework to deliver scalable and performant solutions.
- Experience in using **JSON Web Tokens (JWT)** to securely communicate JSON Objects.
- An experience across various industries including Health, e-commerce and media involved in all the phases of software development life cycle (SDLC), such as Analysis, Designing, Developing, Integrating, Implementing and testing of Client-Server and Web-based applications
- Experience in developing UI modules for the mobile version of the website using **React.js**.
- Extensive experience in Web Application Development, Interface Web Design, Designing/developing Interfaces for multiple browsers (Chrome, Firefox, Internet Explorer, Safari etc.)
- Strong experience with Cross Browser Compatibility issues and Optimization for web, including CSS Sprites and best practices.
- Utilized Adobe Suite, Adobe Photoshop, Adobe Dreamweaver and Illustrator and Adobe Acrobat for the front-end development such as web pages, graphics and multimedia.
- Strong multitasking ability, analytical and problem-solving skills, self-starter and good team player with very good communication, organizational and interpersonal skills.
- Knowledge in writing **SQL Queries** and experience with relational databases MySQL.
- Hands-on experience in using **Node** and **npm** for Node plugins like express, Gulp.
- Have good experience working as a mentor for junior frontend engineers helping and guiding them with the code and applications

### Technical Skills:

**WEB TECHNOLOGIES:** HTML/HTML5, CSS2/CSS3, JavaScript, JQuery, JSON

**JAVASCRIPT FRAMEWORKS:** Angular JS, Angular 2, Angular 4.

**JAVASCRIPT LIBRARIES:** JQuery, React JS, React Native.

**JAVASCRIPT TESTING LIBRIES:** Jasmine, Jest and Enzyme

**CLIENT-SIDE BUILD TOOLS:** npm, Bower, Grunt, Gulp, Jenkins.

**OPERATING SYSTEMS:** Windows, Mac OS X, Linux, Unix.

## Education:

- Bachelor in Information Technology, CBIT 2008
- Masters in Engineering Management, Santa Clara University 2011

## Professional Experience:

Client: Southwest Airlines, Dallas TX

Oct 2022 – Dec 2023

### Senior Frontend Engineer

Maintenance operation center utilized by aircraft technicians mainly to check for any defects in engine, seats, oil usage and so on

- Utilized **NextJS** to develop SSR (Server Side Rendering) to improve the performance and SEO of application.
- Worked on developing reusable components like input, table, dropdown filter, form and card components
- Worked closely with the back-end team to display data using the Custom components, Library components, and **Redux**.
- Involved in developing a responsive web application that could be served on different user devices using **React**.
- Worked on designing, developing, and maintaining cross-platform mobile applications with **React Native** to deliver high-performance, responsive, and user-friendly mobile solutions.
- Implemented polling functionality so as to get new updated status on the aircraft functionality status
- Developed CSS styles to maintain the uniformity of all the screens throughout the application.
- Utilized **Tailwind.css** and **headless UI** components where needed for a seamlessly functioning application.
- Developed page layouts, navigation. And worked on SASS Preprocessor.
- Used **JavaScript** for developing UI Components like Editable drop down, data- driven menu customizations

**Environment:** HTML, CSS, Tailwind.css, ES6, ES7, React, Nextjs, Redux, headless UI, charts.js

**Client: Apple, Sunnyvale CA**  
**Senior Frontend Engineer**

**Dec 2021 – July 2022**

SPYDR - Self-serving portal for your database requirements.

- Understand and get clarifications from the business requirements to plan and develop the application.
- Used **Reactjs** for creating interactive UI's using One-way data flow, Virtual DOM, **JSX** to develop SPA and **Redux** for state management.
- Utilized **SASS** for creating more organized, reusable and responsive code.
- Utilized Atomic design pattern for better organized and readable code structure.
- Used libraries like **antd** to build utility components
- Developed and maintained multiple cross-platform mobile applications using **React Native**, ensuring compatibility and performance.
- I engaged in prototyping designs subsequently implemented projects based on business requirements provided by product owners and business analysts
- Refactor code where necessary to be performant, maintain code quality and follow proper architecture.
- Have worked extensively on **charts.js** and **highcharts.js** to develop and charts and graphs with customizations
- Presenting working demos for business on new app enhancements.
- Integrate front end code with backend services.
- Analyzed and optimized the application code where necessary for readability, reusability and performance.
- Good working knowledge on **GIT** for version control

**Environment:** HTML5, CSS, SASS, ES6, Figma, React, Redux, Lodash, Radar, GIT, charts.js, highcharts.js

**Client: Data Secrets, Palo Alto CA (Remote)**  
**Senior Frontend Engineer**

**May 2021 – Oct 2021**

Leverages advanced big data and business intelligence tools to help clients extract actionable insights from diverse data sets. Enables organizations to consolidate massive volumes of structured, semi-structured, and unstructured data coming from different sources into a holistic environment that can be used for modelling and predicting new market opportunities.

- Extensively used **React.js** for creating interactive UI's using one-way data flow, **virtual DOM** and **JSX** concepts
- Create and maintain scalable and efficient server-side applications using **Node.js**

- Experience in designing and implementing RESTful APIs using **Node JS, Express JS** and integrating it on Client Side.
- Developed and maintained cross-platform mobile applications using **React Native**
- Implemented complex UI components and navigation flows, ensuring a seamless and intuitive user experience across iOS and Android platforms
- Worked on React JS virtual DOM and react views, rendering using components, React **hooks** for functional components.
- Have a good understanding of programming principles, as well as problem solving skills .
- Participating in the day-to-day activities of the project, working on critical tasks, interfacing with other teams
- Participate in peer review of team members work and provide mentorship
- Write and maintain unit and functional tests
- Help establish and maintain standards and best practices.

**Environment:** HTML5, CSS3, SASS, flexbox, JavaScript, React, Redux, ES6, jest, GIT, JIRA, Node.js, React Native

**Client:** Castlight health, Sunnyvale CA

**Mar 2020 – Mar 2021**

**Role:** Senior JavaScript Developer

Castlight makes it easy to navigate healthcare. Health navigation platform guides users to their best available healthcare resources, resulting in lower healthcare costs, higher engagement, and improved outcomes. Through combination of hundreds of health data integrations and machine learning that leverages its data to personalize the user experience, Castlight simplifies healthcare for 20 million users.

- Implemented **Angular7** concepts: Interpolation, input variables, Bootstrapping, NgFor, NgIf, Router Outlet, binding the click event, Component decorator, binding to the hidden property.
- Collaborated with product team members to implement new feature developments.
- Used reusable and created new angular components in some features of the application.
- Designed and coded customized Angular services to interact with the backend API and serve components.
- Implementation of a responsive UI which will scale itself depending on the device, platform and browser using Angular, HTML5, CSS3 and Bootstrap.
- For User Interface using Angular 7 Material Components.
- Develop high performance, scalable code and unit test the code to identify the defects in advance.
- Fix code for optimization and quality based on review comments and to maintain code standards
- Used **Git** for checking the status, difference between local and master branches, creating and deleting branches, commit and push code ready to be merged.
- Initiated the application using Angular CLI.
- Maintained cross browser compatibility and implemented responsive web design

**Environment:** HTML5, CSS3, SASS, JavaScript, Angular 7, Angular CLI, Jasmine.js, RXjs, Lodash, GIT

**Client:** Panasonic Avionics, Pleasanton CA

**Dec 2018 – Feb 2020**

**Role:** Senior Front-End Developer

Insights an application that displays the usage statistics of IFE for different media, browsers and entertainment equipment through charts and graphs. Purpose of the application is to help the users understand which media, browsers and equipment is mostly used by the viewers and hence would benefit the airlines in providing better entertainment based on the statistics.

- Understand and get clarifications from the business requirements to plan and develop the application.
- Provide reusable JSON response structure for the api service call.
- Used **ReactJS** for creating interactive UI's using One-way data flow, **Virtual DOM, JSX** to develop SPA.
- Developed custom native modules and components to leverage platform-specific functionalities in **React Native**.
- Utilized **GraphQL** for efficient data fetching and management, optimizing network requests and reducing over-fetching of data.
- Implemented authentication using **OAuth** and **JWT**
- Utilized **AWS** services like cloud9 editing tool, code commit code repository to push and merge code changes
- Utilized **SASS** for creating more organized, reusable and responsive code.
- Utilized JFrog artifactory where shared components are added for different projects across.
- Used **SonarQube** to check the application's code standards and code coverage.
- Used libraries like **react slick, charts.js**, react strap to build charts, carousel and other utility components
- Debug and fix the CSS and JavaScript bugs
- Develop high performance, scalable JavaScript code and unit test the code to identify the defects in advance using jest
- Refactor code where necessary to be performant, maintain code quality and follow proper architecture.
- Presenting working demos for business on new app enhancements.
- Integrate front end code with backend services.
- Analyzed and optimized the application code where necessary for readability, reusability and performance.
- Good working knowledge on GIT for version control
- Utilize **avocode** tool to get the project wireframes and CSS specifications.
- Collaborate on optimal user experience choices based on business requirements with designers and project technical managers.

**Environment:** HTML5, CSS3, SASS, flexbox, JavaScript, React, ES6, jest, charts.js, avocode, GIT, JFrog Artifactory, AWS Cloud9, AWS code commit, SonarQube

**Client: Apple, Sunnyvale CA**  
**Frontend Engineer**

**Oct 2014 – Oct 2018**

Content Authoring application: A custom built content management system, used by company's internal units to create, manage, update, delete, review various content to be published on customer facing web sites. The app includes content versioning, custom diff viewer to check content and meta data difference between versions, content translation by integration with internal translation servers.

Inventory Tracking System: This is a large jQuery app built to track inventory exchange and flow. The user can manage request, track outbound and inbound shipment, manage product catalog, manage meetings and events, manage clients and companies, configure email alerts about shipments, manage product lifecycle from placing purchase orders till recycling.

AEM: Adobe experience manager is a comprehensive content management solution for building websites, to manage marketing content and assets, and then deliver them.

Worked on customizing certain parts of AEM tool for worldwide partners to view marketing guidelines and allow download of marketing assets to create events and market campaigns.

- Reason logically and creatively, identifying problems, drawing valid output from the data available
- Quickly identify and fix **JavaScript** and **CSS** defects.
- Worked on building an application to view and search for employees within a team. Used web pack to setup the application and **react** router for routing.
- Implemented proper distinction between modules so it reduces the complexity and helps with readability and saves lot of time debugging.
- Have utilized JavaScript helper libraries such as **underscore.js**, **moment.js**, **mustache.js**
- Utilized **SASS** for creating more organized, reusable and responsive code.
- Used **flex box** for creating flexible adaptive CSS layout.
- Analyzed business requirements and transformed them to technical design specifications.
- Collaborate on optimal user experience choices based on business requirements and provide wireframes utilizing **OmniGraffle** so as to give a baseline on how the application should look and work for both business and development.
- Develop high performance, scalable **JavaScript** and **jQuery** code and unit test the code to identify the defects in advance using **jasmine.js**
- Analyzed and optimized the application code where necessary for readability, reusability and performance.
- Leading Junior developers in developing web applications
- Documented application functionality.
- Maintained cross browser compatibility and implemented responsive web design.
- Worked on creating **AEM** components for authors and customizing parts of AEM
- Refactor code where necessary to be performant and follow proper architecture.

- Presenting working demos for business on new app enhancements.

**Environment:** HTML5, CSS3, SASS, JavaScript, JQuery, AJAX, AngularJS, Jasmine.js, mustache.js, underscore.js, react, OmniGraffle, AEM, VueJS, GIT

**Client: Verizon, Irving TX**

**July 2013 – Sept 2014**

**Role: Frontend developer**

Redbox Instant by Verizon is movies on multiple devices. Subscribers will be able to stream movies on Computers (PC & Mac), select Android and Apple tablets and smartphones, the Xbox 360, Roku, Internet-connected Samsung Blu-ray players and home theater systems, LG Smart TVs, PS3, PS4 and PS vita. The users can find and reserve new releases on DVD and Blu-ray at more than 43,000 Redbox kiosks. Users also have the option to purchase or rent new digital releases on-demand, without needing a subscription.

- Develop the Redbox instant app with **HTML, CSS, JavaScript** and **Angular.js** with emphasis on performance, accessibility (AA), Reusability and SEO standards.
- Develop the app on devices like the **Xbox 360, Roku, LG Smart TVs, PS3, PS4 and PS vita.**
- Enhance HTML by attaching directives to the pages with new attributes and expressions in order to define very powerful templates
- Handle the Model, views and controllers separately. Use controllers to populate the scope with all the necessary data for the view. Business logic call from service and called from controller using **\$scope**.
- Use of Event Handlers to handle key events and mouse events like Dpad up, Dpad down, enter key etc. for devices like PS3, PS4 and LG etc.
- Implement Omniture for on page load and on click events of the app. Setup a framework level code to make things easy to implement and scalable for different platform.
- Collaborate with other programmers on application code quality, overall design, and ensure application quality of services such as re usability, reliability, scalability, and security.
- Re-designing/ developing the website to improve user experience and add new functionality.

**Environment:** HTML5, CSS2/3, XML, JavaScript, jQuery, AngularJS, AJAX, Omniture

**Client: Shaklee, Pleasanton CA**

**Mar 2012 - July 2013**

**Role: Frontend developer**

Shaklee is the number one natural nutrition company in the U.S. and the first in the world to be Climate Neutral™, operates with a net zero impact on the earth since 1960. Shaklee makes products from the purest natural ingredients. Instead of putting money into advertising and supply chains and storefronts, Shaklee believes that the money is better spent by rewarding people and members who share Shaklee products with the people they know.

## URLS:

<http://healthycleaning.myshaklee.com/us/en/> <http://www.shaklee.co.jp/welcome.html> <https://healthycleaning.myshaklee180.com/us/en/> <https://member.myshaklee.com/us/en/>  
<http://ocanada.myshaklee.com/can/en/welcome.html>

- Developed the **HTML, CSS and JavaScript** of the pages with emphasis on performance, accessibility (AA), Reusability and SEO standards.
- Extensively worked on building functional modules using JavaScript and **JQuery**
- Successfully handled JSON /XML data and carried out JSON/XML parsing for form submissions and **DOM** manipulation.
- Used JQuery extensively for event handling, DOM manipulation and **crossbrowser** compatibility.
- Resolved many cross-browser compatibility issues in CSS.
- Utilized smarty a php template engine to separate application logic and content from its presentation and also to display the data coming from backend
- Worked on Content Manager for adding the tabs and lot of content to the web pages.
- Worked for the support team and fixed bugs and pending tasks on various pages in the websites under tight deadlines.
- Created templates for Shaklee Japan website using HTML5 CSS3 JavaScript (jQuery) Photoshop for and illustrator designs
- Localized the member site and Shaklee personal websites for English, Spanish, Canada English and French by utilizing one single html file for all the languages instead of using many files for the same page
- Used **Photoshop, Adobe Illustrator, Fireworks** for cutting the images and UI requirements from the creative team
- Used plugins for the custom functionality of the websites.
- Worked on developing pop window for the new leads, which shows various scenarios in a single popup according to the conditions.
- Usage of include files for the commonly used templates and functions for increasing the reusability.

**Environment:** HTML4/5, CSS2/3, JavaScript, JQuery, Kaboodle Framework, PHP Smarty template, Content Manager, JSON, AJAX.

**Client:** Twinpires, Mountain view CA

**Jan 2012 - Mar 2012**

**Role:** UI developer

Twinpires is the Official online wagering site of Churchill Downs and the Kentucky Derby, players are able to wager on virtually every Thoroughbred Harness and Quarter Horse race from venues across the globe. A simplified online/mobile B2C wagering interface designed to attract new customer segments to pari-mutuel wagering on horseracing. Presentation layer would offer multiple games from multiple product verticals such as lottery, casual games, casino games, etc. Users



would play games to facilitate the selection of numbers and wager amounts, which would be mapped pools of wagers on horse races.

- Developed the game console page and other pages of the web application using **HTML5** and **CSS3**
- Converted static HTML design to functional web application using JavaScript and **JavaScript OOPS**
- Structured the web application utilizing Spine lightweight MVC framework and jQuery. tmpl to separate a big application into small independent pieces and it is simpler and easier to work with, modify, fix and test.
- Implemented **AJAX** to speed up web application.
- Implemented form validations using JavaScript and to retrieve JSON data from web services.
- Minimized the number of images required utilizing latest CSS3 techniques.
- Used Firebug and Firebug Lite for debugging and Cross Browser compatibility
- Discovered important bugs in code and fixed them
- Used Tortoise SVN to check in code to dev Environment and to avoid merge issues.

**Environment:** HTML5, CSS3, JSON, JavaScript, JavaScript OOPS, spine.js, AJAX, PHP, MYSQL

**Client:** Walgreens, Conshohocken PA

**Oct 2011 - Dec 2011**

**Role:** UI developer

Walgreens has provided pharmacy and clinical excellence for more than a century and Take Care Health Systems has over 40 years of experience operating worksite health centers. Walgreens in conjunction with Take Care Health Systems SM, a fully-owned subsidiary of Walgreens, offers a portfolio of products and services to support the health of entire workforce. From on-site primary care to health and wellness programs, Take Care Employer Solutions offers workplace health services which help keep employees stay healthier while supporting the company to reduce healthcare costs.

- Involved in developing the web application for **IPAD** and Samsung Galaxy Tab.
- Developed the user interface using **HTML5, CSS3, jQuery and jQuery mobile** Framework.
- Utilized JavaScript, jQuery, and AJAX and various plugins for form validation and other interactive features.
- Actively participated in meetings every day and took feedback from test group and fixed bugs they pointed.
- Extensively used **Media queries** to deliver different styles to different devices.
- Worked on fixing the scrolling issues and other issues using jQuery and mobile Framework
- Resolved the cross-browser compatibility issues mainly with IE using CSS.
- Collaborate and coordinate with other programmers offshore
- Re-designing/ developing the website to improve user experience and add new functionality

**Environment:** HTML5, CSS3, XML, JavaScript, JQuery, JQuery mobile framework, .Net, SQL server, Visual Studio

