**Kamalendra Nerusu**

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**Professional Summary**

* Overall 9 plus years of progressive experience in all phases of software development life cycle including requirements analysis, applications design, development, Integration, maintenance and testing of various client/server, N-tier and web applications.
* Experienced as a User Interface/Front End Developer in developing applications using HTML/HTML5, CSS/CSS3, JavaScript, TypeScript, AngularJS DOM, ReactJS, jQuery, LESS, Ajax and JSON. Good experience using HTML5/CSS3 development.
* Used ES6, AngularJS, ReactJS, Redux framework for binding, DOM models linking, view model underlaying data and behaviors.
* Extensive knowledge in different Angular versions such as **Angular 7, Angular 8, Angular 9.**
* Worked extensively with **Angular JS** and developed real time applications using **Angular** architecture for building UI and designed reusable components.
* Extensive Knowledge on **SEO** principles and **SSR** functions.
* Used **Angular 2 & 6** to implement rich functions in various pages: form validation, crud, grid list, search, sort, pagination, multi-selection, tags-input, advanced/custom directives, authentication, unit tests, etc.
* Started working the design and development phase cycle by Angular 2.0 & Angular 4 along with TypeScript and have good proficiency of how to migrate from lower versions (Angular).
* Worked extensively with **React JS** libraries Forms, Events, Keys, Routers. Used **Redux** features like **store, Reducers, Actions**. React Native for mobile Development, **React-router DOM** for navigations.
* Have good experience using **Next JS** which is **React** framework to develop React server side components and data fetchingtechniques.
* Used **Storybook for UI only development** apart from the applications to reuse the components in external modules.
* Experience working with Responsive Web design and integration of **AEM (Adobe Experience Manager)** components.
* Developed and Queried the API’s **using GraphQL**.
* Experienced in developing the web applications by supporting Accessibility (508, WCAG) guidelines and Internationalization.
* Experience in popular JavaScript frameworks such as Angular.js, **Node.js, Vue.Js** and jQuery, Jasmine with automation tools like Grunt, Gulp and Bower.
* Familiar with client-side templating using **Mustache.js** and **handlebars.js**
* Good Knowledge on implementation of user-centered design (UCD) methodology.
* Good Understanding of Document Object Model (DOM) and DOM Functions.
* Experience with Firebug for Mozilla, Developer Toolbar for Chrome and IE Developer Toolbar for Internet Explorer.
* Worked extensively in Agile Development process.
* Experience in software configuration management using SVN, GIT.

**Education:**

* Bachelor of Computer Science Engineering, Jawaharlal Nehru Technological University, Hyderabad, India 2012.
* Master’s in applied computer science, Northwest Missouri State University, Missouri 2015.

**Skills Profile**

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| **Web Technologies** | HTML/HTML5, CSS/CSS3, JavaScript, TypeScript jQuery, AJAX, JSON,Angular2/Angular4/Angular6/Angular7/Angular8/Angular9, Vue.JS, Bootstrap, React, Python , Node.JS, REST, Fast API, Graph QL, AWS |
| **Methodologies** | Agile, Scrum, UML, Design Patterns |
| **Databases** | MySQL, MongoDB, Couchbase |
| **Application/Web server** | Apache Tomcat, WebSphere, JBoss |
| **IDE’s** | Eclipse, Visual studio, Visual studio code |
| **Version Controls** | GIT, VSTS |
| **Operating System** | Windows, OSX |

**Professional Experience**

**Client: PwC (PricewaterhouseCoopers) Tampa, FL Mar 2023 - Present**

**Role: UI/Front end Developer**

**Project: Astro**

**Project Description:**

Astro is the hoteling application for the entire PwC where clients, consultants, partners and every PwC staff can reserve their workspaces in office, schedule meetings, book meeting rooms and townhalls in one place.

**Responsibilities:**

* Responsible for developing Responsive reusable components for the application using **HTML5, CSS3, JavaScript, ES6/7, ReactJS, Redux, Puppeteer.**
* Used **NextJS** to render server-side components, HTML dynamic streaming, Data fetching.
* Flexible rendering and caching options, including Incremental Static Regeneration (ISR) features implemented by using **NextJS** dynamically.
* Implemented **TDD** Test Driven Development to cover the entire test pyramid covering unit tests, Integration tests, E2E tests and Mutation tests using **JEST, Enzyme** and **Cypress.**
* Used **React hooks** and created custom hooks across the application for the state management of functional components.
* Used NextJS as middleware.
* Migrated all the input facet components to use React Components to perform validations dynamically.
* Used **Micro-frontend architecture**, combined multiple repos to form an organization structure and maintained the code base independently.
* Used HTTP Clients, Fetch API and Axios to make API calls across the applications and fetch the data.
* Developed Filter search components using **Material U**I library for consistent styling across all screen resolutions.
* Used i18Next Internationalization for translation of application. Used hooks and translate components to maintain the localization.
* Used **tailwind CSS** for CSS styling and responsive for mobile and iPad apps.
* Used iOS x code to run and debug in IOS and android studio to run in android. Cross browser is extensively used.
* Used **FIGMA** for UX screen references.
* Used **GTM** (Google Tag Manager) for recording the google analytics of the applications and calculated no of clicks made in the application.
* Used REDUX, DI concepts for fetching API data to UI, Used Reactive forms. Started using RxDb database.
* Used **AWS** cloud and functions, Lambda, Step functions, S3, API gateway, Dynamo DB, Elastic Cache for maintaining the API gateways.
* Used AWS Lambda, CDK for information security breaches, CI/CD PIPELINE TOOLS, swagger for API testing. Followed TDD process.

**Client: KinderCare Learning centers May 2022 – Mar2023**

**Role: Software Developer (React/Python)**

**Project: Parent Portal**

**Responsibilities:**

* Developed the UI layout and front-end programming (HTML) & backend API development using Python for web application that matched requirements. Working in the Agile/Scrum development environment with frequently changing requirements and actively participated in scrum meetings and reviews.
* Experience in all phases of SDLC like Requirement Analysis, Implementation and Maintenance**,** and extensive experience with Agile and SCRUM.
* Worked on **Python** for developing the backend frameworks, services using JavaScript and **FastAPI and AWS server slack**.
* Worked with **React JS** on front end and consumed data from REST Fast API services.
* Used **REST API** for querying the API data and managing it from client side.
* Worked on building Microservices in Serverless framework using **Python**. Developed robust functions, API gateways, Event bridge using DynamoDB.
* Used Formik and Yup for all the component form validations.
* Used Lodash module for modularity and performance of the app when the component involves multiple renderings.
* Used **REDUX, DI** concepts for fetching API data to UI, Used Reactive forms.
* Latest features of HTML, CSS are used in this project.
* Used **SQL** database for querying the data and writing stored procedures.
* AWS CI/CD pipelines are used for deploying code to multiple environments. Have experience working in production support.

**Environment**: **Web storm, React, Redux, HTML/HTML5, CSS3, JavaScript, Python, FastAPI, Bootstrap, REST Web Services, Sass, AJAX, JSON, XML, Maven, Sitecore CMS.**

**Client: PwC (PricewaterhouseCoopers) Tampa, FL Feb 2018-June 2022**

**Role: PWA Developer (MEAN/MERN)**

**Project: US-ASR NQO Consult/Advisory (Multiple Projects/Developed project from Scratch)**

**Responsibilities:**

* Started building a project from **scratch stage**, by following the requirements from business stakeholders in **Agile process**.
* Used **Angular 8** **Typescript** for the core development of all the functionalities using TypeScript. Extensively coded **HTML, CSS, BOOTSTRAP** for the rich user interface design.
* Used **React.js** for the development of multiple components in the Application. Used **Redux and SAGA & RxDB**
* Used **Node**.js for developing **Microservices SOA (Service Oriented Architecture)** and **express**.**JS** as the middleware.
* Worked on **Slatejs** for building several components like Rich text editors, search highlighting, toolbars.
* Used **Micro-frontend architecture**, combined multiple repos to form an organization structure and maintained the code base independently
* Integrated with 3rd party libraries for Authentication and Search modules and also PwC internal apps.
* Used **SEO principles** for displaying search results using **SSR** rendering in Node.js
* Used FIGMA for UX screen development.
* Used **Storybook** for React UI. Used to run app in **Storybook in dev mode to build UI only components.**
* Used **AEM (Adobe Experience Manager)** for integrations with Storybook UI components. Worked on AEM style addons and storybook-aem. Customized grid addon decorators for Storybook using default AEM grid.
* Used stencil addon for storybook, developed components and configured in UI platform. Used NGRX, DI concepts for fetching API data to UI, Used Reactive forms.
* Used **AWS** cloud and functions, Lambda, Step functions, S3, API gateway, Dynamo DB, Elastic Cache for maintaining the API gateways.
* Used AWS Lambda, CDK for information security breaches, CI/CD PIPELINE TOOLS, swagger for API testing. Followed TDD process
* Used Ts Lint standards and Pixel perfect Reusable coding using Typescript w3c standards for accessibility.
* Worked on **Authentication Authorization** modules of the application by consuming the Client's security access.
* Worked on responsive web design to make the application look and work in Small size screens.
* Used **Protractor** and **JEST** JavaScript testing frameworks to test the application.
* Used **HTM5/css3, jQuery**, for extensive coding across the application by following the accessibility guidelines **WCAG.**
* Involved in Cypress automation testing using UI data test ID elements.
* Used **Node.JS, C# .Net** for API development and **Mongo DB, Couchbase, SQL** as a database.
* Used **API gateways** for enterprise API deployments and run the API’s using **lambda functions** in different environments.
* Used **Express.js** framework providing robust features for Node development.
* Used **Socket.io** for real time communication like Notifications and alerts.
* Used **Python** for backend development.
* Thoroughly unit tested the application by using Jasmine and Karma for running the tests.
* Used VS code for development. TSLint principles followed.

**Client: Apple, Sunnyvale, CA Jul 2017 – Jan 2018**

**Role: UI(React, Vue) Developer**

**Project: Phantom**

**Responsibilities:**

* Developed the UI layout and front-end programming (HTML) for web application that matched requirements. Working in the Agile/Scrum development environment with frequently changing requirements and actively participated in scrum meetings and reviews.
* Developed the **UI layer from Scratch** from creating the React project setting up the layouts for UI Screens and developed common components used across the application.
* Experience in all phase of SDLC like Requirement Analysis, Implementation and Maintenance**,** and extensive experience with Agile and SCRUM
* Worked with **ES6** techniques and methods like **Non-mutating array** methods and structuring formats.
* Created JSX templates using React Js library and styled them using Bootstrap 4, SCSS features.
* Implementing **Redux** feature like **Store, Reducers, Actions** and Action creators while manipulating state of the application.
* Pixel perfect coding and used w3c standards for accessibility.
* Worked **with Tridion Content Management System (CMS )** and **Alchemy** as a plugin.
* Used **AEM default grid** components and integrated AEM components to UI components.
* Used **Babel** for **transforming JSX to JS** to run and build the application.
* Implemented **Server-Side Rendering (SSR)** for the first page load and then fetched data by state management.
* Used **JEST** testing framework to perform unit testing from development standpoint.
* Developed and Integrated with asynchronous **Restful microservices APIs** with REST services using JAVA.
* Installed **Webpack through NPM** for maintaining and configuring all the application dependencies into a single JS file, which in turn increases performance.
* Automated and modified the typescript files by **using Gulp** through Command Prompt.
* Creating **Reusable** components whenever required, functional and State full Components, **Pure component**s vs **classical components**.
* Used **GIT repository** for storing and maintaining the code in different environments and deployed it using **Jenkins**.
* Implemented Parent-Child Relations between components and accessed them via **props**.
* Used **SQL server** as a database for querying media files related data.
* Implementing **React-Router-DOM** for navigating through application.
* Using Axios with ReactJs for making AJAX Calls, Used **Async** and **Await** while working on promises.
* Worked on Vue js application as a Vue developer for a video analytics application.
* Used Vuex store for maintaining the data, Used Vue custom directives for some controls in UI

**Environment**: **Web storm, React JS, Redux, HTML/HTML5, CSS3, JavaScript, Bootstrap, REST Web Services, Sass, AJAX, JSON, XML, Maven.**

**Client: Amadeus North America Inc., Boston, MA Jul 2016 – Jun 2017**

**Role: UI Developer**

**Project Description:**

Amadeus is an organization which provides efficient software system for various clients involved in travel and entertainment industry. Here I am working to help the software system of the client "InterContinental Hotels Group (IHG)". IHG is making a new website for their hotels, as a part of that I helped in developing various modules for them.

**Responsibilities:**

* Involved in various sessions and meetings like requirements gathering, sprint planning’s to gain good domain knowledge of their application.
* Involved in migration framework of the application from **Angular 1.5** to **Angular 2.0.**
* Designed the portals with **Angular 2.0** by using TypeScript as scripting. Used Web Pack to build **TypeScript** modules.
* Here we use **JavaScript, AngularJS, HTML, CSS, Telerik Kendo UI**, as common technologies in implementing the Front-End architecture. Backend Server connections are developed using **JAVA** and springs. MongoDB is used for database.
* Involved in developing the pages in **HTML5, CSS3** used core JavaScript for functionalities and validations. AngularJS for core functionality.
* Involved in writing Service configuration files to call RESTful services using AngularJS. Controllers for two-way binding.
* Location API that requires the locations of the hotels and display them with Google maps using **D3.js**. Location API on the current cities are overlaid on the map using **D3.js**
* Extensively worked on the accessibility requirements like the focusing, accessing the elements to make the application accessible to all groups of people by following **WCAG 2.0 rules.**
* Extensively used **Bootstrap** and **LESS** for all the components across the application.
* Used JQuery for some functionalities, good knowledge on XML responses and data flow throughout the application.
* Used Kendo UI for grid implementations. As almost every page in the application has grids, we used Kendo UI for grid configurations.
* Maintained security by using protection levels in the applications for different type of users. Here we used JAVA to implement protections for user.
* Used **GRUNT** as a task runner, **Web Storm and Spring Tool Suite (STE)** as editors for the application. GIT as repository.
* Agile environment is maintained, 3 week sprints, daily standups, and Sprint planning, Retrospective meetings. Had a good coordination with team members.
* Involved in sprint planning and estimation of Front-End development.
* Responsible for checking cross browser compatibility and worked on different browsers - Safari, Internet explorer, Firefox and Google chrome.

**Environment**: **Web storm, React JS, Redux, HTML/HTML5, CSS3, JavaScript, Bootstrap, REST Web Services, Sass, AJAX, JSON, XML, Maven, Star team, Gulp and Grunt, Jasmine test cases.**

**Client : Kaiser Permanente, Pleasanton, ÇA Nov 2014 – Jun 2016**

**Role : JavaScript Developer**

**Project Description :**

* As a part of re-designing the Kaiser website, our team involved in taking the initiation off developing the first module which is ‘**Sign On’**. In this module, registered or non-registered users can login and can do their tasks as per the requirement.
* Re-designing is responsive, and this website can be used in all screen sizes.

**Responsibilities:**

* Involved in Requirements gathering and Analysis- understanding the requirements of the client and the flow of the application including MVC application framework.
* Responsible for developing Responsive Web Design of the web pages using **HTML5, CSS3, JavaScript.**
* Defined and developed the application’s presentation layer using **HTML5, CSS3**, JavaScript, and jQuery Scripting.
* Worked on the **WCAG 2.0** principle for the blind people on all the devices such as iPhone, iPad, android to maintain the WCAG standards.
* Made AJAX calls using JavaScript for getting the data and parsing it for showing on the web page.
* Involved in sprint planning and estimation of Front-End development.
* Responsible for checking cross browser compatibility and worked on different browsers - Safari, Internet explorer, Firefox and Google chrome.