**VENKATESH PULAGAM**

**RECRUITER SUMMARY**

* Over 11 years of sharp and insightful experience as a Front-End Developer, with a specialization in React and Java-based applications, paired with excellent communication skills.
* Currently serving as a Lead React Developer, spearheading the design and development of Chat Features using React 18 and Java for API development.
* Extensive hands-on experience with React, Redux, JavaScript, TypeScript, TDD, CSS, HTML, UI components, Cloud platforms (AWS, PCF), and data visualization.
* Proficient in website security, deployment, testing, and integration, ensuring high-quality and secure applications.
* Earlier at United Airlines, Venkatesh designed and developed a Hub Maintenance Control system using React to track flight status for cabin crew.
* Worked extensively on data security, public website migration, design implementation, and backend integration.
* Certified in React, JavaScript, HTML, version control, and has worked with all versions of React.
* Venkatesh is local to Chicago and open to onsite interview, available for interview on 24-hour notice.

**Education**

Master’s in computer science engineering, Rivier University, Nashua, NH

Bachelor’s in computer science engineering, JNTU Hyderabad

**Certifications**

* Front End Web/User Interface Development - META
* Programming with JavaScript - COURSERA
* Version Control - COURSERA
* HTML, CSS in depth – META
* REACT.JS – META
* AWS certification – In progress

**TECHNICAL SKILLS**

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| **Programming Languages** | Java, J2EE, C, C++, PHP |
| **Web Technologies:** | HTML4/5, CSS2/3, XML, JavaScript, JQUERY, JSON, AJAX, MS-SharePoint, Angular.js 7 & 10, React Js, D3.js, Vue.js, Node Js, Kncokout.js, Next.js, Webpack, SASS, Twitter Bootstrap. |
| **IDE, HTML Editor:** | Notepad++, Eclipse IDE, Adobe Dreamweaver, WIX, Photoshop, Express, MS FrontPage, MS Visual Studio, Visual Studio Code, AEM, Spring Tool Suite. |
| **Frameworks:** | Angular, Knockout JS, React Js, Node Js, EXT JS, Bootstrap |
| **Debugging Tools:** | IE**,** Firebug, Chrome Dev tools, Fiddler. |
| **Scripts:** | DHTML, JavaScript, jQuery, XML, XHTML |
| **Operating Systems:** | Windows NT, Windows 2000, Windows XP, Win 7, Mac OS X |
| **Database:** | Oracle 8i/9i/10g/11g, MYSQL, SQL SERVER |
| **Content Management System** | Adobe CQ 5.4, 5.5, AEM, CQ tagging, Adobe CS5 APIs |
| **Cloud Storage Services** | AWS, Google Cloud Storage, Microsoft Azure |

**Grainger, Chicago, IL Feb 2021 - Till Date**

**Sr. UI /React Lead Developer**

* Developed an application using React that communicates secure messages between client and end user.
* Involved in developing middleware like Redux thunk which can return functions to solve async problems like data updating and fetch from the back-end server.
* Hands on using React – Router to manage different React components path location.
* Developed SQL Database management systems to analysis, design and management of the business data and database.
* Used next js to build efficient scalable server-side application.
* Enhanced a parallel project’s application performance by Angular 10 component-based development in view of future Angular framework transitions.
* REST API calls using http and resource services with Angular 10.
* Used React Hooks to use state and lifecycle methods inside functional components to decrease complexity and improve maintainability of the system.
* Used State, Props, Forms and Events to implement interactive React components.
* Unit testing was performed with Jest.
* Active participation in code deployments and quality assurance sessions with the QA team.
* Rendered web pages on server on a user request to support static site generation.
* Used Aquasec, Blackbuck, Veracode scan tools for active scans of any code vulnerabilities.
* Ensured the secure messaging application is not prone to malicious scripts by maintain proper encoding formats across API’s and token challenges when comes to authentication and authorization.
* Created API routes in Next.js to build serverless functions for handling backend logic, authentication.
* Introduced wider use of isomorphic React for web applications, decreasing load times by roughly 35%.
* Led a team of designers and developers in creating visually stunning and user-friendly interfaces for web and mobile applications using Adobe Creative Suite
* Used Figma to work with multiple teams to collaborate on a design project simultaneously.
* Used React fundamentals to promote better component lifecycle practices, increasing turnaround speed by 23% with 100% deadline adherence.
* Developed and maintained Java-based web applications using Spring Framework
* Designed and implemented RESTful APIs to facilitate communication between client and server.
* Designed and implemented user interfaces for web applications using Adobe Experience Manager (AEM) components and templates.
* Contributed to the development of enterprise-level software solutions using Java and related technologies.
* Communicated with other teams and senior management to adapt 50+ clients’ websites to adapt to changing industry standards.
* Used Nest js to create highly testable, scalable, loosely coupled and easily maintainable applications.
* Built a cross browser- compatible and accessibility application along with improvement with the response times and page reliability.
* Built and maintained the Redux store, reducers, and actions for a large-scale e-commerce application, enhancing data flow and consistency.
* Successfully integrated Redux with React components, resulting in a 20% reduction in code redundancy and a more maintainable codebase.
* Implemented performance optimizations in Redux state management, reducing the application's memory usage by 15%.
* Worked closely with the backend team to ensure seamless integration of APIs with Redux state management.
* Developed comprehensive unit tests for Redux logic, achieving 90% code coverage and significantly reducing bugs in production.
* Made used of Next.js to optimize search engine by providing fully rendered html content.
* Used Figma to simplify the handoff process to inspect and export design needs, CSS styles and design specifications for achieving responsive design to adapt to different screen sizes and orientations to make it suitable for both mobile and web interfaces.
* Used concept of dependency injection with constructor-based concept to inject instances into classes.
* Designed multiple dynamic and browser compatible pages using HTML5, CSS3, Node and React Js
* Utilized Typescript and React.js platform to build the front end.
* Co-ordinated with team and conducted weekly code reviews and used sonar to scan for any vulnerabilities.
* Conducted weekly API meetings to get updates for any new services from the API team to change the front-end logic accordingly.
* **ENVIRONMENT**: HTML 5, CSS3, TypeScript, React JS, Redux, Bootstrap, Aquasec, Node Js, Nest Js, Java, Veracode, Black Duck, OpenShift, Angular 10, Figma, Jenkins, GIT, JSON, Visual Studio Code, Fiddler and Swagger, Jest, JIRA, Retrospective Tools.

**Nielsen, Chicago, IL Dec 2019 – Jan 2021**

**Sr. UI Developer**

* Involved in web development on a data Analytics project called **Delivery Management** using **Angular 7 (later migrated to Angular 10)** with a team of 12 members.
* Integrated Grafana with Prometheus and Elasticsearch to provide real-time analytics and alerting.
* Developed new user facing features, reusable components and front-end libraries for future project use.
* Used various Angular event bindings to respond to DOM events mostly that are triggered by user inputs.
* Created new Custom Services to make interaction within Angular components and Dependency Injection.
* Used Angular Pipes to transform strings, currency amounts, dates, and other data for display.
* Worked on reducing page load time to speed up website optimization for good user experience.
* Worked with Attribute directives to listen to and modify the behavior of other HTML elements, attributes, properties, and components based on user interaction with the UI view and structural directives to create new HTML layouts to shape and reshape the DOM structure.
* Managed Grafana and Prometheus setup for monitoring microservices architecture.
* AEM Interface Customization for both Classic UI and Coral UI (Granite UI)
* Worked under Agile Scrum methodology by breaking down the project to several sprints.
* Created efficient design and development for User Interaction screens using HTML5, CSS3, Bootstrap, JavaScript, Angular.
* Developed custom panels and plugins to extend Grafana’s functionality.
* Provided guidance and support to developers in implementing UI designs within the AEM framework.
* Involved in migrating an application developed in Angular 7 to Angular 10 recently.
* Worked with Content Management System AEM, Drupal, Joomla and Cascade.

**Data Analytics project:**

* Involved in creating a lightweight web interface that deals with Nielsen’s data analytics tables.
* Made us of Vue Router for building the single page app to maintain list of Nielsen’s user specific records.
* Integrated with Restful APIs and back-end services within Vue.js app.
* Loaded multiple micro frontends to share common services such as authentication, user management.
* Created reusable Vue components to modularize code and to improve maintainability.
* Involved in managing application complex state related problems.
* Navigation using Vue Router to create navigation within multiple modules within the app.
* Set up CI/CD pipelines and BDD with Cucumber for the Vue project and used Jenkins and Travis and couple of automation process implementation.

**United Airlines, Houston, TX Nov 2018 – Oct 2019**

**Sr. UI Developer**

**Project 1: HMC – Hub Maintenance Controls**

* Mainly involved in developing front end internal application called **HMC** using **React JS**.
* Designed a new application from scratch which helps the HMC champions to maintain flight data.
* Created new react components, reducers, action types that helps to handle the application data Maintained states in the stores and dispatched the actions using **redux**.
* Employed Redux Thunk to manage complex asynchronous logic, improving the application's responsiveness and user experience.
* Implemented the **Drag**and**Drop functionality**using**React-Draggable**
* Used React-Router to turn application into **Single Page Application.**
* Configured and maintained Azure SQL Database and Cosmos DB for various applications, ensuring optimal performance and availability.
* Collaborated with development teams to build and deploy microservices using Azure
* Worked in using **React JS components, Forms, Events, Keys, Router, Animations and Flux concept.**
* Used **React flux** to polish the data and for single directional flow.

**Project 2: AOG – Aircrafts on Ground**

* Mainly involved in developing front end internal application called **AOG using** **Angular JS**.
* Designed an application that helps to retrieve flight data for flights which are left on the ground due to maintenance issue and the application deals with different parts ordering of the aircraft.
* Created custom components using Angular JS.
* Involved in creating different Angular components that divide all the application into chunks.
* Used custom Angular built plugins for date picker, drag and drops, creating tables.
* Used typescript with Angular 7 to render the application.

**United Airlines, Chicago, IL Jul 2016 – Oct 2018 Sr. UI Developer**

* Mainly involved in developing front end application called **AERO** using **Knockout JS**.
* Worked on four different modules in the application “**Lobby”, “Gates”, “PNR Search”, “and Availability”.**
* Designed a new feature to upgrade customer from Economy to business class with the customer’s mileage plus or frequent flyer number inside the Gates module.
* Developed and worked on upgrade modals to add a customer as a companion with a sponsor’s frequent flyer number or mileage plus number.
* Designed new Health check exception for customers who were not allowed to check in if they are boarding the flight from a different segment in the Lobby module.
* Created a new seat Map application with a new user interface design.
* Involved in re-designing entire PNR search module in the AERO application.
* Worked on Electronic ticket tools inside the PNR module.
* Programming using **Visual Studio 2015.**

**Trade King, Charlotte, NC Aug 2015 – Jun 2016**

**ROLE: Web Developer**

**Visual Soft, Hyderabad, India** **Apr 2013 – May 2015**

**Web Developer**

**\*Resume condensed by the recruiting agency. Additional information available upon request.**