Pavan Kumar Jonnadula
Full Stack Developer

470-884-0851 | jvspavan.1996@gmail.com | Kansas City, MO | in Pavan Kumar J V S | ⬤ JVS PAVAN

PROFESSIONAL SUMMARY

- Around 6 years of professional experience as Single Page Application Front-End web developer in developing and designing user interface of Internet/Intranet applications using HTML, CSS, XML, JavaScript, jQuery, JSON, Ajax, Redux, Angular and Spring Boot.
- Experience in working with RESTful Web Services and implementing RESTful API's. Experience in MVVM driven approach of building application and Redux-Promise is used to retrieve data from Backend.
- Experience with Angular using Typescript as a primary language with the support of ES6 standardization.
- Strong understanding in using components, modules, directives, factories, services, dependency injection and digest cycle in Angular.
- Experience in using components, Forms, Events, Guards, Router and Loading concept.
- Experienced in creating and managing Azure VM, VMware tools, Cloud Services, and Storages.
- Experience with development with Single Page Applications with Typescript Angular Development and create customizable components.
- Worked with http interceptor's configurations for security in Angular applications.
- Experience in developing APIs using the Spring Boot framework.
- Built Confidential tool using Angular, RXJS, and NGRX platform. Developed components as an independent module for reusability across the application.
- Integrated Artifactory with build tools (e.g., Maven, Gradle) and continuous integration/continuous deployment (CI/CD) pipelines, automating the artifact deployment process and enabling smooth deployments.
- Experience in CSS preprocessor LESS and SASS for dynamically styling Developed HTML templates and performed client-side Validation using JavaScript and utilize the Responsive Web Designs (RWD).
- Configured custom rules and quality profiles in Sonarqube, tailoring the analysis to specific project requirements and coding guidelines.
- Used Git for revision control and code management. Involved in daily SCRUM meetings to keep track of the ongoing project status and issues.
- Familiar with open-source tools: Package Mangers (NPM/Bower) and Atlassian tools (Confluence, JIRA and Stash).
- Solution Development: Demonstrated expertise in solution development, encompassing solution design, project scoping, and showcasing product features and capabilities to stakeholders.
- Effective Presenter: Skilled in delivering compelling presentations to diverse audiences, adept at communicating complex technical concepts in a clear and concise manner, fostering understanding and confidence.
- Problem-Solving and Leadership: Proactive and energetic problem solver with a hands-on approach, known for leading teams to successful outcomes and consistently delivering high-quality results.
- Customer-Focused Solutions: Possesses a strong orientation towards understanding customer communication needs, proficient in guiding them towards tailored technical solutions that meet their specific requirements.
- Cloud Platform Familiarity: Well-versed in cloud platforms such as Azure and Google Cloud, leveraging their services to build scalable and reliable solutions for optimal performance and efficiency.
- Core Java Proficiency: Strong command of core Java concepts, including data structures, collections framework, and multithreading. Proficient in writing optimized code that harnesses the full potential of core Java principles.
- Design Patterns: Possesses insightful knowledge and exposure to various design patterns, enabling the development of scalable and maintainable code structures that promote code reusability and extensibility.
- Spring Boot and Microservices Expertise: Extensive experience in developing applications using Spring Boot.

- Continuous Integration Experience: Seasoned in working within a continuous build and release environment, utilizing tools such as Jenkins to facilitate smooth integration and deployment processes, promoting an agile and streamlined development workflow.
- Cloud Deployment and Containerization: Successfully deployed applications on AWS and GCP, leveraging Kubernetes and Docker infrastructure for seamless scalability and efficient deployment processes.
- Angular Component Development: Proficiently developed various Angular components, including Services, Animations, Reactive forms, Custom Validators, Custom Pipes, and Custom Directives, ensuring dynamic and interactive user interfaces.
- SQL Optimization and Performance Tuning: Demonstrated expertise in optimizing SQL Server performance and fine-tuning stored procedures, employing advanced techniques such as query optimization, complex nested and co-related queries, common table expressions, and window functions and designed Tableau dashboards that catered to their specific needs, improving data comprehension and insights.
- Single-Page Application (SPA) Development: Extensive knowledge and experience in developing SPAs, employing modern frameworks and libraries to deliver highly responsive and seamless user experiences.
- RESTful API Development and Database Integration: Built robust RESTful APIs and seamlessly integrated them with diverse databases like MySQL and MongoDB, ensuring efficient data retrieval and manipulation.
- Authentication and Authorization Implementation: Implemented secure user authentication and authorization using industry-standard protocols such as JWT and OAuth2, ensuring stringent data protection and access control.
- Quality Assurance and Troubleshooting: Actively participated in code reviews, wrote comprehensive unit tests, Implemented SonarQube static code analysis tool to enforce code quality standards across projects, leading to the identification and elimination of code smells, bugs, and security vulnerabilities.
- Client Collaboration and Technical Expertise: Successfully engaged in client meetings, providing valuable technical expertise and guidance, contributing to solution discussions, and ensuring client satisfaction.
- Additional Skills: Proficient in Search Engine Optimization (SEO) techniques, leveraging UX tools like Figma and Adobe Photoshop for enhanced user experiences, and adept at configuring Spring beans through Dependency Injection (DI) and Inversion of Control (IOC) principles. Additionally, involved in implementing the MVC pattern using Spring Controller and developing business objects using Spring IOC, Spring Boot, Spring Batch, and Spring Cloud.

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, TypeScript, HTML, CSS
- **Frameworks:** Angular, Spring Boot, jQuery, Selenium, React, Node.js, GraphQL, Express.
- **Databases:** MS SQL Server, MongoDB.
- **Other Tools & Technologies:** Git, Postman, Redux, AdobeXD, Figma, Visual Studio, IntelliJ, Jenkins, Docker, Microsoft Office, AWS, Wireframe, Kubernetes, Angular Material, Jasmine/Karma, Bootstrap, Nginx, Ngrx, Gitlab, Jira, Confluence, Slack, Azure, Google Cloud Platform, JWT, OAuth2.
- **Methodologies:** Agile, Waterfall

CERTIFICATES

Developer Associate – AWS   **Jan 2021**
- Obtained hands-on experience with the cloud features of **AWS**.

EDUCATION

University of Missouri, Kansas city (UMKC)   **Kansas City, MO**
Masters in Computer Science   **3.6 GPA**

Amrita University   **Kollam, India**
Electrical and Electronics Engineering (B.Tech)   **8.13 GPA**

WORK HISTORY

Walmart – USA   **Jan 2022 – Present**

Worked as Software Developer and developed a React application.

- This application integrates multiple backend services where data is stored in oracle database.
- Integrated and Developed REST API to expose functionalities through microservices built using Java Spring Boot.
- Built Jenkins Pipelines for the test-suites and support in Release process for the features released in various test and production environments.
- Developing, modifying, fixing, reviewing, testing, and migrating the Java, JSP, JPA, JSF, Spring Boot and hibernate programs.
- Use REST APIs to integrate the applications running in Cloud with device and web users.
- To increase security/scalability of the application, dockerized all the microservice (developed in Java) and migrated to Kubernetes of AWS Cloud.
- Ensured compliance with HIPAA and PII data handling requirements, implementing encryption and access controls.
- Utilized Tableau's advanced features (e.g., calculated fields, parameters, filters) to create dynamic and interactive visualizations, enhancing user experience and data exploration capabilities.
- Extensive experience in deploying, managing and developing MongoDB clusters.
- Designed, Configured, and deployed Amazon Web Services (AWS) for multiple applications utilizing the Amazon cloud formation templates.
- Created event driven jobs using AWS lambda functions for migrating data across multiple S3 buckets of cross origin, DynamoDB, SQS with python.
- Experience in CI/CD tools like Docker, Jenkins, and Kubernetes for building and managing containers.
- Involved in web designing using HTML5, XHTML, CSS3, JavaScript, used Table less Design in CSS for positioning.

Technologies: ReactJS, Angular 13, Redux, JavaScript (ECMAScript5, ECMAScript6), Nodejs, Graph QL, Typescript, HTML, CSS, SASS, jQuery, Tableau, Docker, Jenkins.

CABS – TCS (Albertsons)   **Apr 2020 – Dec 2021**

- Worked as Full Stack Developer and developed an angular application.
- Experience working with Single Page Application using Angular with Angular Material.
- This application integrates multiple backend services where data is stored in oracle database.
- Technologies used are Angular, JavaScript, MS-SQL Server, Spring Boot.
- Handled roughly 70% of the UI development and 30% of the backend development.
- Created TypeScript reusable components and services to consume REST API's using Component based architecture provided by Angular.
- Developed backend APIs using the Spring Boot framework.
- Implemented Ag-Grid to enable efficient data management, filtering, sorting, and advanced data visualization in web applications, enhancing user experience and data presentation capabilities.
- Responsible for planning project milestones, deliverables, Sprint planning, Bi-Weekly tech sessions, etc.
- Worked with Angular 10/12 to build dynamic interactive webpages.
- Development included using tools such as Jira, VS Code, Gitlab, Jenkins etc.
- Experience with Snowflake cloud data warehouse and AWS S3 bucket for integrating data from multiple source systems which include loading nested JSON formatted data into snowflake table.
- Experience in working with SQL and NoSQL Database like MongoDB to manage extremely large data.
- Used Karma and Jasmine frameworks for writing almost 1800 testcases as part of Unit Testing.
- Integrated SonarQube with CI/CD pipelines to automatically trigger code analysis on every code commit, ensuring continuous feedback and early detection of potential issues.

- Actively participated in code reviews and code refactoring sessions, leveraging Sonar Lint to identify and address issues proactively, resulting in cleaner, more maintainable codebases.
- The application is equipped with i18n capabilities, enabling it to support multiple languages and improve usability for users who speak different languages.
- Maintained the daily history of issues related to bugs using Jira as well as the bug tracking system to track.
- Experience in Implementing CI/CD pipelines with integrated unit tests, code coverage, code quality, performance test cases, and knowledge in creating containers in Docker.
- Overall, my role as a Full Stack Developer required a range of skills and responsibilities, from designing and developing application components to working with various technologies and frameworks, tracking bugs and issues, and ensuring the application's quality through comprehensive testing.

Technologies: Angular 8, Redux, Javascript, Nodejs, Typescript, HTML, CSS, SASS, jQuery, SQL, SonarQube, Docker, Jenkins, SpringBoot, AWS, MongoDB, Underscore, Jasmine, Protractor, Karma.

Social Connector – TCS (Coppel)   Dec 2019 – Mar 2020
- A custom internal tool designed for the creation of self-serving dashboards for various analytics purposes.
- As a Front-End Lead developer for a multi-site Angular project that relied heavily on custom library driven development as its core development philosophy.
- Developed several components in the application that implements lazy loading feature in Angular 8/10.
- This application was created to be a replacement for other networking websites such as Teams and Slack.
- This integration with the project boosts employee productivity by about 30%.
- Designed Efficient and scalable rest APIs Using NodeJS, Express, Mongoose, and MongoDB.
- Used JWT token to implement authentication using Angular HTTP intercept.
- Built Confidential tool using Angular 8, RXJS, and NGRX platform. Developed components as an independent module for reusability across the application.

Technologies: Angular 7/8, Javascript, Nodejs, Typescript, HTML, CSS, SASS, jQuery.

Excel Sheet Automation – TCS (Home Depot)   Dec 2018 – Nov 2019
- Single handedly created this application from the ground up and oversaw its deployment by establishing the CI/CD pipeline integration with GitHub.
- Modernized the excel sheet features into an angular-based web application.
- This eliminates the need to send excel sheets to coworkers via mail.
- Involved in Agile/ SCRUM based approach to UI development.
- Worked on SOAP and RESTful Services using WEB API which return Json data.
- Implemented SOA architecture with Web Services using SOAP, JAX-WS, WSDL, UDDI and XML.
- Configured spring beans by Dependency Injection (DI) and Inversion of Control (IOC) principles.
- Involved in implementation of MVC pattern using Spring Controller and developed business objects using Spring IOC, Spring boot, Spring Batch and Spring Cloud.
- Worked on different technologies like Java Multithreading, collections, Core Java, SQL, Stored Procedures, XML Parsing, Generating XML Requests.
- Throughout the development process, I was responsible for planning project milestones, deliverables, sprint planning, bi-weekly tech sessions, and more.
- Employee efforts were reduced during the early stages of new employee integration.
- MongoDB is used to store data in the backend.
- Responsibilities included UI/UX design planning and development.

Technologies: Angular 2, Javascript, Typescript, HTML, CSS, jQuery, SQL, Jenkins, SonarQube, SpringBoot, XML

- Extensive experience in developing Single Page Applications (SPAs) using Angular, proficient in features such as Services, routing, directives, components, and lazy loading.
- Strong command of HTML5, SCSS, Typescript, and Bootstrap for efficient front-end development.
- Skilled in creating reusable TypeScript components and services to consume REST APIs, utilizing Angular's Component-based architecture.
- Translated client requirements and UI graphic designs into actionable user stories, utilizing Visual Studio Code to develop efficient and reliable code that aligned with project objectives.
- Successful track record in developing billing applications using Angular for diverse clients.
- Proficient in using Angular 2 router to create seamless navigation within single-page applications, incorporating different states and multiple modals.
- Extensive use of CSS and Angular Material to style HTML elements, with expertise in implementing the CSS Grid system for effective layout design.
- Familiarity with Agile/SCRUM methodologies, adept at working in collaborative environments and utilizing tools such as Jira, VS Code, and GitLab for application development.
- Proven ability to resolve front-end defects and proficient in utilizing GIT and Bitbucket as code repositories.

Technologies: Angular 2, Javascript, Nodejs, Typescript, HTML, CSS, SASS, jQuery, SQL, Docker, Jenkins, SpringBoot, AWS, MongoDB, AJAX, jQuery, Postman, and Webpack

ACHIEVEMENTS & AWARDS

- Established AdobeXD to develop prototypes which helped in eliminating the rework during the project deliveries.
- Implemented Angular training program for a team of 20+ onshore and offshore developers, resulting in improved productivity, meeting SLA deadlines, and eliminating unproductive self-study time.
- **Best Employee Award (TCS):** Received this award for being a star developer in multiple projects in a short turn-around time.
- **Best Team Player award (TCS):** Award given for being a dependable resource and taking up critical action items with tight deadlines and for pitching in to help multiple teams.
- **Best Innovative Award (TCS):** Award received for developing an internal communication application which   was received as the best innovation among many other ideas.