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**Vamsi Krishna**

**Kanneboina**

**Java Full Stack Developer**







**EDUCATION**

Masters in information technology from

University of Cincinnati, USA

Highly skilled **Java Full Stack Developer** with **6+ years** of experience in **application development** using various technologies, frameworks, and tools. Extensive expertise in **Java**, **JavaScript**, **Linux**, **API development**, and **Secure Software Development Lifecycle (SDLC)**. Proficient in **cloud computing**, **IAM**, **OAuth/OIDC**, and working with **Tomcat servers** and **containers**. Strong background in **Agile implementation**, troubleshooting, and mentoring teams in advanced software development practices. A quick learner with excellent problem-solving skills, capable of handling multiple projects in fast-paced environments.

**ABOUT ME**

**Back-End (Server-Side Development)**

Programming Language: Core Java, Java 8/11+, Spring Boot, Python, Groovy, Bash, SWIFT, Spring Framework (Dependency Injection, REST APIs, etc.)

Frameworks: Hibernate/JPA for ORM, ForgeRock

**Spring MVC for building web applications**

API Development: RESTful APIs, GraphQL

Build Tools: Maven, Gradle

Application Servers: Apache Tomcat, JBoss, Wildfly

Microservices: Spring Boot with Microservices architecture, Kubernetes and Docker for containerization

**Front-End (Client-Side Development)**

Languages: HTML5, CSS3, JavaScript, TypeScript

Frameworks/Libraries: Angular, React, or Vue.js for creating dynamic front-end interfaces

**Bootstrap or Material UI for responsive designs**

State Management: Redux (for React), NgRx (for Angular)

UI Testing: Jasmine, Karma, Jest

**Database and Storage**

Relational Databases: MySQL, PostgreSQL, Oracle

NoSQL Databases: MongoDB, Cassandra

Database Tools: SQL Developer

**DevOps Tools (CI/CD and Deployment)**

Version Control: Git, GitHub, GitLab, or Bitbucket

CI/CD Pipelines: Jenkins, GitLab CI, or Azure DevOps, Bash, YAML

Containerization: Docker, Kubernetes

Cloud Platforms: AWS, Azure, or Google Cloud Platform

Monitoring Tools: Prometheus, ELK Stack (Elasticsearch, Logstash, Kibana)

Secure Development: IAM, SAML, OAuth, SDLC

**Testing and Quality Assurance**

Unit Testing: JUnit, TestNG

Automation Testing: Selenium, Cucumber (for BDD testing)

API Testing: Postman, Swagger, SoapUI

**TECHNICAL SKILLS**

**PROFILE SUMMARY**

* **5+ years** of experience in experience in analysis, design, implementation and testing of Object-Oriented Applications using **Java/J2EE technologies (Core java, JDBC, Servlets, JSP, XML, Spring, JUNIT, Hibernate, and Restful API)** and ensuring client deliverable within committed deadlines.
* Thorough in **J2EE** technologies like **Spring**, **Hibernate**, **Web Services, Design Patterns,** **SOAP**, **REST**, **Struts**, **Tiles**, **MVC**, **EJB**, MQ Series, **JMS**, **JSP** and **Servlets**. Strong knowledge and hands-on experience of deploying applications using **Kubernetes**, cloud native application development, **pivotal cloud foundry**, **JavaScript**, **Kendo UI**, **Java/J2EE** technologies & **RDBMS**.
* Experience in writing functional Test cases for new features using Cypress and **Playwright** for comprehensive functionality testing.
* Experience with **AWS Lambda** **function, Auto scaling, SQS.**
* Extensive knowledge in database transactions management for database related changes by integrating **JDBC, Hibernate** with **Spring Boot**. Expertise with employment of **Spring Kafka** and **Apache** **ZooKeeper** apart from **JMS** as messaging service.
* Experienced in performing unit testing using **JUnit**, Mockito integration and deployment of applications using tools such as Ant, **Jenkins** and Maven & debugging through **Log4j**.
* Experience in developing Single Page Application (**SPA**) using **Angular**, Routing, Controllers, Services, and Custom Directive.
* Hands-on experience in version control tools like **Git, GitHub, SVN** and **CVS**. Hands on Experience in integration with **JUnit**, and **Log4j** frameworks. Experience working with **Agile** SCRUM/RAD methodology and (**TDD**) Test Driven Development.
* Extensive experience in using **IDEs** like **Eclipse**, **Spring** **Tool Suite**.
* Experience in configuring and deploying Web Applications using **WebLogic, WebSphere, JBoss, Tomcat** and **Apache.**
* Proficient in implementing frameworks such as **Struts**, **Spring MVC, Spring Boot, Microservices** and **AJAX frameworks.**
* Experienced with developing rich user interface applications using **HTML5**, **CSS3** and **JavaScript**, **jQuery**, **Angular**, **Node JS,** **React**, **Backbone JS,** **Twitter** **Bootstrap**, **jQuery** **Mobile**, **XML**, **JSON** that follows **W3C** Web Standards and are browser compatible.

**PROFESSIONAL EXPERIENCE**

**Java Full Stack Developer || Western & Southern Financial Group**

**Cincinnati, Ohio, USA || Apr 2024 - Present**

Western & Southern Financial Group is a Financial Services, Insurance, and Life insurance company. I am designing, coding, testing, and deploying web applications using Java for backend development and JavaScript frameworks like AngularJS for frontend development.

**Environment:** AWS, AWS Lambda, Cassandra, CI/CD, Docker, EC2, Hibernate, Java, Java 8, Jenkins, Kafka, Microservices, MySQL, Node.js, PCF, React, React Flux, Spring, Spring Security, SQL, SQL Server

**Responsibilities:**

* Developed and deployed applications using **Java** and **Spring Boot**, integrated with secure authentication protocols like **OAuth 2.0** and **OIDC**.
* Ensured compliance with **Secure Software Development Lifecycle (SDLC)** and implemented IAM and SSO features.
* Built and deployed containerized microservices using **Docker** and orchestrated with **Kubernetes**.
* Played key role as senior developer during development of next generation **Microservices**
* Collaborating on the design and implementation of end-to-end solutions that leverage both **Cassandra** and **Java**.
* Experience with high-speed messaging frameworks and streaming (**Kafka, Akka, reactive**).
* Used **Node.js** to run Grunt tasks and build properly the project (**compile, minify, concat** etc.) and Implement modules into to integrate with designs and requirements. Used **Grunts, BowerJS, Express** from **Node.js**.
* Used **Jenkins** as a build tool for **CI/CD** (Continuous Integration and continuous deployment) process.
* Implemented authentication and authorization for the application using **Spring Security** and **Oauth2**.
* Experienced in **React** Js framework and working with **React Flux** Architecture.
* Developed **REST APIs** using **Java** 8, **Play** framework and **Akka**.
* Installed Pivotal Cloud Foundry on **EC2** to manage the containers created by Pivotal Cloud Foundry (**PCF**).
* Developed front-end applications using **React**, **Flux**, **Node.js** and **Docker** and Built **Spring** based **Java** Enterprise Web application. Participated in **Agile (Scrum**) methodology and Involved in **Design, development, System Testing and User Acceptance Testing.**
* The application is based on **Micro Service Oriented Architecture** using **Angular 4.0** and **Cassandra DB** and **MySQL** to develop **Single Page Applications (SPA).**
* Implemented **Angular 4.0 directives**, expressions, routing capabilities for bookmarking, filters, validations and **Angular** UI components, Components, ng-Modules, Providers, Services and classes for navigation respectively.
* Worked with **Angular CLI** and **Typescript** in **Angular 4.0** to create Controllers and **Angular** components for the **Web** **Pages**. Optimized performance is achieved by **Angular 4** Lazy Loading.
* Used **Spring Boot** which is radically faster in building cloud **Micro Services** and develop **Spring** based application with very less configuration.
* Extensively used **React-Router** techniques **Axios** **service** to retrieve data from server synchronously.
* Involved to implement various screens for the front end using **React.js** and used various predefined components from **NPM** (**Node Package Manager)** and **redux** **library**.
* Implemented **Elastic** **Search** for caching to enhance the performance of application.
* Implemented **Node JS** as a server-side proxy for an observing various response time.
* Development in several shell scripts, **MySQL** & involved in designing invoking of all forms of data using validation service using **SQL** Server.

**Java Full Stack Developer || KBR, Inc.**

**Beavercreek, Ohio, USA || Apr 2023 - Mar 2024**

KBR Inc (KBR) is a provider of engineering, construction, professional services and technologies. Utilized the tools like Jenkins, Git, and Docker for automated deployments and version control. Managed the containerized applications with Kubernetes.

**Environment:** Angular, Apache Kafka, Azure, Bootstrap, CI/CD, DevOps, Docker, Jenkins, Jira, JMS, Kafka, Microservices, MVC, Oracle, PL/SQL, S3, SOA, SOAP, Spring, SQL, WSDL

**Responsibilities:**

* Configured **JMS** server setup, **DB** **connection** setup & deployed Returned items in Web Sphere Server.
* Integrated applications with cloud-based solutions like **AWS Lambda** and utilized **IAM** for access management.
* Automated deployments using **Jenkins**, with infrastructure defined using **YAML** and **Bash scripting**.
* Worked with containers and application servers like **Tomcat** to deliver robust, scalable applications.
* Experience in building pipelines using build/deploy tools such as **Jenkins**, **Docker** and OpenShift for Continuous Integration & Deployment for **Microservices**.
* Designed and deployed APIs with a focus on **secure software development** and seamless integrations.
* Implemented service methods and **SQL** queries, **PL/SQL** to interact with **Oracle** database.
* Used Subversion for configuration Management and **Jira** for task management and bug tracking.
* Implemented **Docker** containers to create images of the applications and dynamically provision slaves to **Jenkins** **CI/CD** pipelines Applied to the business modules integration using **Spring Boot, Cassandra DB.**
* Worked in integrating **JMS** with **SPRING** **BOOT** by providing an instance which is embed with **Active MQ.**
* Implemented **Spring Netflix Zuul API gateway** and **Eureka** service registry for reverse **proxy** of **API's**.
* Deployed frontend application using **AWS** S3 and configured **CORS** to consume **RESTful** services from another domain.
* Deployed **Spring** **Boot** based **micro services** on **Docker** **containers** using **Amazon ECS.**
* Experience in introducing **Docker** utilizing **Docker** tool compartment. Condition provisioning arrangements utilizing Docker.
* Authenticating Users and to provide security to **Restful** web services using **OAUTH 2.0.**
* Using Swagger Framework, actualizing the **Restful API** and **Swagger** gives the rich **UI** to test **API**.
* Worked on unit test cases using **Karma** and **Jasmine** on client side.
* Wrote comprehensive Unit test cases using **JUnit** and **Spock**.
* Implemented light weight **WADL** (Web application description Language) for better understanding of Rest based web services and its configuration.
* Developed the application using **Spring** **Web** **MVC** and other components of the **Spring** Framework, the controller being **Spring** Core Dispatcher Servlet, also implemented Dependency Injection using the **Spring** framework.
* Used **Web services, Web Processing** **Service** (**WPS**), **BPEL**, and **REST** extensively for Operations module. Technologies **SOA**, **SOAP**, **MTOM, TCPIP, TLS, PKI,** **WSDL**, **SAML, XSD, Xpath,** **JMS**, and **MDB** are also used.
* Developed views using **Bootstrap** components, Angular-UI and involved in configuring routing for various modules using angular UI router.

**Java Full Stack Developer || (Nayvri solutions) PayMate**

**Mumbai, India || Jun 2020 - Nov 2022**

PayMate is a business-to-business (B2B) digital and financial services company. Developed the RESTful or GraphQL APIs for application integration. Implemented data processing workflows, ensuring efficiency and scalability.

**Environment:** Agile, AWS, Bootstrap, Java, Java 8, jQuery, JUnit, Microservices, MVC, Node.js, OAuth, OAuth 2, PCF, React, Spring, Spring Boot, Spring Security, SQL, Stream API

**Responsibilities:**

* Implemented the security on **Microservices** using **Spring Boot** Auth server which generated **JWT** tokens as **OAuth 2** mechanism.
* Used **Node.js**, **React**, and **Backbone.JS** **MVC** framework for developing the Single Page Application (**SPA**).
* Monitored application performance with **Prometheus** and **Grafana**, ensuring optimal uptime and reliability.
* Implemented access control, Authorization and **Oauth2** authentication using **Spring** **Security**.
* Involved in performing Unit and Integration testing (**JUnit**). Strictly followed Test Driven Development (**TDD**). Approach environment using **Agile** methodologies.
* Designed **SSO** and **IAM** integrations for distributed applications.
* Developed applications using **Java 8** new features like **lambda** expressions, Stream API, default, static methods.
* Deployed our application on Pivotal Cloud Foundry (**PCF**) which is used to reduce the development overhead by providing a ready to use platform.
* Developed **JASPER** report to show the result after validations are performed on the test cases and maintaining several data accuracy.
* Used various **jQuery** and **Bootstrap** plug-in like date picker, **Bootstrap** selectors.
* Build and maintain **SQL** scripts, indexes, and complex queries for data analysis and extraction.
* Developed mapping spreadsheets for (**ETL**) team with source to target data mapping with data modeling naming standards.
* Used **AWS** **dynamo** **DB** for storing config values and utilized as flags to control the code flow.
* Implemented **REST** Web services to retrieve data from client side.

**Java Developer || (Techbuzz IT Solutions) Apollo Global Management, Inc.**

**Mumbai, India || Jun 2019 - May 2020**

Apollo Global Management, Inc. is an American asset management firm that primarily invests in alternative assets. Designed and implemented user interfaces using technologies like HTML, CSS, JavaScript, and frameworks such as React or Angular. Used API testing tools like Postman or Swagger to ensure API reliability.

**Environment:** Agile, AJAX, Bitbucket, Cassandra, CSS, Git, Hibernate, HTML, IntelliJ, Java, JavaScript, Jira, JMS, JSON, JSP, JUnit, Kafka, Microservices, MVC, NoSQL, Oracle, PCF, PostgreSQL, RESTful, Servlets, SOA, SOAP, Spring, Spring Boot, Spring MVC, SQL, SVN, Web Services, XML

**Responsibilities:**

* Played role of middle tier developer using **Hibernate** framework to generate custom report and to improve the performance of query.
* Designed and developed **Microservices** with **Spring Boot** 2.0 and **Spring** **REST**.
* Hands-on experience with DevOps practices using **YAML, Bash,** and cloud platforms like **AWS**.
* Used **Kafka** streams as a message-bus and developed data pipelines to ingest data to **NoSQL** data-stores like **Cassandra**. Developed a **Micro Service** Oriented application with **React JS** in the front end and **Spring Boot services.**
* Developed and implemented views using **HTML5, CSS3/LESS, Bootstrap 4.0, AJAX.**
* Worked on responsive design and developed a single **ISOMORPHIC** responsive website that could be served to desktop, **Tablets** and mobile users using **React.js.**
* Worked with **React JS** to build **Bootstrap** components for responsive **UI** Objects and linked with **API** data to view render the virtual **DOM** dynamically.
* Implemented various screens for the front end using **React.js** and used various predefined components from **NPM** (Node Package Manager) and **redux library.** Hands-on knowledge on **SVN**, **Git** and **Bitbucket**
* Manage and fix bugs with **Jira** bug tracking application. Developed the **REST** **Microservices** using **Java** **JDK 1.8** on **IntelliJ** platform by gathering the knowledge of previous phase resources and integration with **Oracle**.
* Involved in web services design and development. Responsible for creating and consuming web services using **REST** and **XML**.
* Developed **REST API's** using **Spring MVC** and **Spring** Boot, hosted all **micro services** on **PCF**.
* Involved in **JUnit** testing, **JSON** parser & maintaining data accuracy.
* Ant was used as a build tool. Also worked in an **Agile** work environment. The **Java** Message Service (**JMS**) **API** used to allow application components to create, send, receive, and read messages.
* Developed automation of Validation service to provide the **JASPER** report based on bean validations, **Spring** validations on test cases.
* Used **JavaScript** Task Runner Gulp for modification of **HTML**, **CSS** and **JavaScript**, Live reload, watch, test runner, server configuration and sass compiler sub tasks.
* Developed/Maintained relational database hosted on **PostgreSQL**, accessed by **Java** programs.
* Involved in implementation of enterprise integration with **Web Services** and Legacy Systems using **SOAP**, and **REST**. Developed **Spring** **RESTful** web services to deliver **XML**, **JSON** content using Jersey **Spring** implementation.
* Developed **Servlets** for server-side transactions and made use of **AJAX** for server-side processing without refreshing **JSP** page.