**Vamshi**

**Sr. Full Stack Developer**

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**Professional Summary**

* Over 9+ years of robust experience in Full Stack Java Development, specializing in end-to-end Analysis, Design, Development, and Deployment of web and client/server applications.
* Proven ability to effectively navigate Agile-SCRUM and Waterfall methodologies, with a strong emphasis on Test-Driven Development (TDD).
* Expertise in crafting dynamic web pages using modern front-end technologies such as HTML5, CSS3, JavaScript, TypeScript, AngularJS, Angular, Node.js, ReactJS, and Ajax.
* Deep understanding of Core Java concepts, including Garbage Collection, Collections Framework, Multithreading, Event Handling, Exception Handling, and Generics.
* Skilled in architecting, developing, and maintaining N-Tier J2EE applications within Client/Server Technology environments.
* Proficient in designing and implementing microservices architecture using Spring Boot, enhancing software scalability and flexibility.
* Extensive experience with Spring Framework components, including Spring IOC, Spring DAO, Spring ORM, Spring MVC, Spring Rest, Spring JDBC, and Microservices.
* Competent in building UI-rich web applications using AngularJS, Node.js, and Bootstrap, ensuring a responsive and intuitive user experience.
* Proficient with build and deployment automation tools like Jenkins, Maven, and Ant, streamlining development workflows and achieving continuous integration.
* Experienced in Angular development using TDD methodologies and proficient with unit testing frameworks like Karma and Selenium.
* Familiar with AWS cloud services such as EC2, S3, RDS, Auto Scaling, IAM, VPC, CloudWatch, Route53, ELB, and EBS for application deployment, configuration, and management.
* Experienced with messaging technologies like JMS, Kafka, ActiveMQ, and RabbitMQ, optimizing application decoupling and data transmission efficiency.
* Adept in unit testing with JUnit and Mockito, supporting robust Test-Driven Development (TDD) practices.
* Proficient in automating tests using Cucumber/Selenium frameworks and writing comprehensive feature files for streamlined application testing.
* Expertise in database technologies, including Oracle DB, SQL Server, DB2, MySQL, MongoDB, and Cassandra, along with writing stored procedures, functions, and triggers.
* Proficient in release automation for Java applications, supporting Continuous Integration (CI) and Continuous Delivery (CD) goals.
* Experienced with version control systems like Subversion and GIT, facilitating effective collaboration and version management.
* Proficient in using IDEs such as Eclipse, IntelliJ, and Visual Studio to enhance productivity and code quality.
* Hands-on experience with Java Application Development, Distributed Applications, and Internet/Intranet-based Database Applications.
* Expertise in Object-Oriented Analysis and Design (OOAD) using Unified Modelling Language (UML).
* Proficient in log file configuration using Log4J and SLF4J and log monitoring with tools like Splunk, New Relic, and Kibana.
* Adept in Hibernate core interfaces, annotations, SQL, Pl/SQL, Spring JDBC, and Spring JPA for database interactions.
* Hands-on experience with Azure Cloud Services, including Web Apps, Logic Apps, Function Apps, and SQL Azure.
* Experienced in implementing and optimizing Amazon Connect solutions for streamlined customer service operations and enhanced user engagement.

**Technical Skills**

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| **Programming Languages and Frameworks:** | Java (Core Java, Java 8, Java 11), JavaScript (including ES6), TypeScript, HTML5, CSS3, jQuery, AngularJS, Angular (versions 6 to 13), ReactJS, Node.js, AJAX, XML, JSON, SOAP, RESTful |
| **Development Tools and Technologies:** | Eclipse, IntelliJ IDEA, Microsoft Visual Studio, Maven, Ant, Jenkins, Git, GitHub, Subversion (SVN), Apache Kafka, SOAP, RESTful Web Services, Microservices Architecture, Java Message Service, Message-Driven Beans, SOAP UI, SOAP Sonar, XML/XSLT/XSD |
| **Database Systems:** | Oracle DB, SQL Server, DB2, MySQL, MongoDB, Cassandra |
| **Cloud Platforms and Services:** | Amazon Web Services (AWS),Azure |
| **Testing Frameworks and Tools:** | JUnit, Mockito, Jasmine, Karma, Selenium, Cucumber |
| **Build and Deployment Automation:** | Jenkins, Maven, Ant, Travis CI,CircleCI |
| **Integrated Development Environments (IDEs):** | Eclipse, IntelliJ IDEA, NetBeans |

**Professional Experience**

**Role :Sr. Full Stack Developer**

**Client : Wells Fargo Mar 2024-Present**

**Responsibilities:**

* Led full stack development using Java, emphasizing scalability and performance through a microservices architecture with **Spring Boot**.
* Enhanced dynamic web pages and UIs using **React** and **Next.js** components, improving user interaction and experience with a focus on **Micro Frontend Architecture**.
* Integrated **Apache Kafka** as a message broker for efficient event-driven communication and stream processing, optimizing data processing capabilities.
* Managed database interactions using **Postgres**, with schema design optimization, SQL query performance tuning, and implementation of **lookup tables** and **Views** for faster queries.
* Developed **Multi-Threaded** and **Concurrent** applications, ensuring efficient resource utilization and faster processing.
* Created functions and **Stored Procedures** in **Oracle SQL/PL-SQL** database, supporting complex data operations and ensuring optimized query execution.
* Participated in **Agile/Scrum** ceremonies, fostering a collaborative environment focused on continuous improvement.
* Implemented **gRPC** APIs for low-latency communication between frontend and backend systems, facilitating efficient data exchange and improved performance.
* Conducted **unit tests** using **JUnit** for backend components, ensuring software reliability and quality.
* Utilized **Git** for version control and collaboration, including experience with **Bitbucket** and **GitHub** for effective code management.
* Transitioned from monolithic architecture to **Microservices**, leveraging **RESTful** services in **Spring** to enhance modularity, scalability, and resilience.
* Implemented **serverless architectures** on **Azure Cloud** using **Logic Apps**, **Functions**, and **MS Purview** for improved scalability and cost-efficiency.
* Developed and maintained **RESTful** and **SOAP APIs** for data exchange between systems and services.
* Experienced in **Docker** and **Kubernetes** for containerization and orchestration, improving deployment efficiency and scalability in CI/CD pipelines.
* Migrated and built **Micro Frontend Architecture** with **React** and **Next.js**, enhancing modularity and scalability in large-scale projects.
* Assisted in migrating repositories from **Bitbucket** to **GitHub**, verifying source transfer with **Code Compare** to ensure seamless integration.

**Environment:** Java, J2EE, React, Next.js, Micro Frontend Architecture, Angular, JavaScript, jQuery, Spring Boot, Apache Kafka, REST API, Microservices, Docker, Kubernetes, Azure Logic Apps, MS Purview, Git (Bitbucket, GitHub), Jenkins, Oracle SQL/PL-SQL, JUnit, Eclipse IDE, Windows, Linux

**Role : Senior Java Developer**

**Client : Hilton Nov 2022- Feb 2024**

**Responsibilities:**

* Designed and implemented **cloud architectures** on **AWS** and **Azure**, including **landing zone** configurations for secure, scalable environments.
* Extensive experience with **container orchestration** platforms, including **Amazon Elastic Kubernetes Service (EKS)** and **Azure Kubernetes Service (AKS)**, optimizing deployment and resource utilization.
* Proficient in **microservices architecture** and **cloud migration** strategies focused on application modernization, leveraging **Spring Boot** and **Java 15** for reliability and performance.
* Developed backend systems using **Java 15** and **Spring Boot 3.0**, emphasizing scalability, reliability, and performance in cloud-based applications.
* Built and maintained **dynamic web pages** and UIs using **Angular 13** and **Angular 14**, enhancing user experience and interaction.
* Implemented **gRPC** and **RESTful APIs** using **Spring Web MVC** and **Apache Tomcat**, facilitating seamless integration with both internal and external systems.
* Leveraged **Apache Spark** for distributed data processing, achieving high performance in large-scale data transformations and analytics tasks.
* Utilized **Docker** containers and **Kubernetes** orchestration to streamline deployments, improve scalability, and optimize resource management in **CI/CD** pipelines.
* Integrated **Drop Wizard** for metrics and health checks, and managed application configuration with DropWizard’s YAML files, simplifying deployment and maintenance.
* Provisioned cloud resources using **Terraform**, and integrated AWS services like **Amazon RDS** and **AWS SQS** for scalable and reliable database management and communication.
* Developed comprehensive **API test suites** using **Postman** and executed them in CI/CD pipelines with **Newman** to ensure RESTful service reliability and functionality.
* Leveraged **AWS Lambda** and **Amazon Lex** with **Amazon Connect** for intelligent IVR solutions, enabling context-aware and dynamic interactions.
* Monitored and tracked **KPIs** like first-call resolution and customer satisfaction using **Amazon Connect** analytics and reporting capabilities.
* Automated database validation tests with **SQL scripts** and **DBUnit**, ensuring data integrity and consistency during ETL processes and after deployments.
* Created **batch processing jobs** using **Spring Batch** for handling large-scale data tasks, such as data import/export and report generation.
* Integrated **Prometheus** and **Grafana** for monitoring and visualization of system metrics, with automated acceptance tests using **Cucumber** for streamlined requirement validation.
* Collaborated cross-functionally on **cloud migration roadmaps**, ensuring alignment with business and technical requirements.
* Worked with **Redis** for caching to improve data retrieval efficiency, and integrated event streaming platforms like **Kafka** and **RabbitMQ** for real-time data processing.

**Environment:** Java, Spring Web MVC, Spring Boot 3.0, Apache Tomcat, Spring Security, Spring Batch, AWS (Amazon RDS, AWS Lambda, SQS, Amazon Connect, Amazon Lex), Azure (AKS), Angular 13, Angular 14, TypeScript, HTML5, CSS3, Bootstrap, JavaScript, SQL, PL/SQL, MySQL, JUnit, Mockito, Jenkins, Git, Docker, Kubernetes, Prometheus, Grafana, Terraform, DBUnit, Cucumber, Apache Spark, DropWizard

**Role : Java Full Stack Developer**

**Client :Cognizant**  **Jun2018-Aug2022**

**Responsibilities:**

* Worked in an Agile environment, including requirement gathering, sprint planning, and retrospectives to ensure clear understanding and efficient progress.
* Developed responsive and dynamic user interfaces using HTML, CSS, JavaScript, and Angular.
* Implemented the service layer and business logic using the Spring Boot framework, leveraging its Inversion of Control (IoC) and Dependency Injection (DI) features.
* Utilized Core Java concepts such as Collections, Multithreading, Exception Handling, and Synchronization to develop robust backend services.
* Created and consumed RESTful web services using Spring Boot to facilitate communication between frontend and backend systems.
* Designed and developed Microservices using Spring Boot, ensuring modularity and scalability in the application architecture.
* Integrated Apache Kafka for reliable and asynchronous communication between microservices.
* Employed JPA (Java Persistence API) with Hibernate as the ORM (Object-Relational Mapping) tool for database operations.
* Developed and executed JUnit test cases for unit testing and ensured code quality and reliability.
* Utilized Log4J for logging and monitoring application performance, capturing runtime exceptions and other critical events.
* Wrote and maintained Shell Scripts to automate application deployment and monitor production environments.
* Interacted with business teams to model the database schema and created SQL queries, PL/SQL stored procedures, and database triggers.
* Developed and maintained application configurations using Spring Boot's application properties and YAML files for different environments (development, testing, production).
* Configured Azure Monitor and Application Insights for comprehensive monitoring and diagnostics, ensuring optimal performance and reliability.
* Developed Spark jobs to process and analyse large data sets, leveraging RDDs and Data Frames for efficient computation.

**Environment**: IntelliJ IDEA, Eclipse, Git, Maven, HTML5, CSS3, JavaScript, Angular, TypeScript, Java, Spring Boot, Spring Framework, Hibernate, Oracle Database, MySQL, PL/SQL, Apache Kafka, JUnit, Mockito, Postman, Log4J, Jenkins, Docker, Kubernetes, AWS, Spring Cloud, Shell Scripting, GitHub, Jira, Confluence

**Role : Software Developer**

**Client : Capgemini** **Mar 2017-Apr 2018**

**Responsibilities:**

* Spearheaded the end-to-end design, development, and deployment of Java-based applications utilizing Agile methodologies, ensuring seamless collaboration across all stages.
* Crafted dynamic user interfaces employing a responsive grid layout with HTML, CSS, and Angular 8, enhancing user experience across various devices.
* Leveraged Spring Boot and Spring Security to develop robust, secure backend solutions, facilitating smooth data management and authentication processes.
* Developed RESTful APIs using Spring Boot, employing component-based architecture in Angular 8 to consume these APIs efficiently.
* Implemented Core Java concepts like multi-threading and collections to optimize application performance and resource utilization.
* Utilized MongoDB with AWS infrastructure for efficient data storage and retrieval, ensuring scalability and reliability.
* Integrated Spark-Streaming APIs to process real-time data from Kafka, implementing synchronous and asynchronous message handling functionalities.
* Employed Node.js to create AWS Lambda functions for configuring AWS services, enhancing the scalability and flexibility of the application.
* Managed database interaction layer, executing MongoDB scripts and queries for seamless data manipulation and retrieval operations.
* Established connections between frontend Angular 8 applications and backend Java services through HTTP calls, ensuring smooth communication and data flow.
* Conducted unit testing using Cucumber and JUnit frameworks for Smoke & Regression Testing, ensuring the reliability and stability of the applications.
* Configured and managed AWS resources, including EC2 instances for cluster establishment and S3 buckets for storing data from diverse sources.
* Implemented continuous integration and deployment pipelines using Bamboo and Jenkins, automating build and test processes for efficient project management.
* Utilized Docker for containerization of applications, streamlining deployment, and ensuring consistency across different environments.

**Environment**:Java, HTML5, CSS3, JavaScript, Bootstrap, JSON, SOAP, jQuery, Angular8, Node JS, AJAX, XML, RESTFUL, Spring Boot, Spring JPA, Spring Security, Splunk, MongoDB, Kafka, AWS, Postman, Jenkins, Bamboo, Docker, GIT, JUnit, MAVEN.

 **Role : Jr. Software Engineer**

**Client : IBM** **Feb 2015- Mar2017**

**Responsibilities:**

* Utilized Scrum methodology within an agile environment to iteratively develop the application, fostering adaptability and responsiveness to changing requirements.
* Designed and implemented application architecture following the J2EE Model 2 (MVC) approach, ensuring maintainability and scalability.
* Leveraged the Spring framework to implement core features, utilizing Dependency Injection, Security, and Web Flow capabilities for efficient development.
* Developed RESTful web services using Spring Boot and Spring MVC, enhancing application performance and scalability.
* Integrated Spring Rest Template to interact with external RESTful Web Services, ensuring seamless communication with external systems.
* Employed Spring annotations for Dependency Injection and Inversion of Control, enhancing code readability and reducing boilerplate.
* Developed business logic components using Java Objects and Hibernate framework, facilitating efficient object-relational mapping and database interactions.
* Implemented JMS for asynchronous messaging, enabling efficient and scalable communication in point-to-point scenarios.
* Executed responsive development practices using Bootstrap and CSS3 media queries, ensuring optimal user experience across various devices.
* Secured application using Spring Security, implementing robust authentication, authorization, and access control mechanisms.
* Conducted complex SQL query development and execution to extract and manipulate data from Oracle and SQL Server databases.
* Developed XML/XSLT/XSD for structured data interchange and interoperability, ensuring seamless data flow between systems.
* Utilized JUnit for Test-Driven Development (TDD) and conducted rigorous unit and integration testing, ensuring code quality and reliability.
* Employed Git/GitHub for version control and collaboration, streamlining development workflows and code management.
* Used Jenkins for automated builds and continuous integration, ensuring consistent and reliable application deployment.

**Environment**: Spring Rest Template, Hibernate framework, XML/XSLT/XSD, Jenkins, J2EE Model 2 architecture, Spring Boot, Bootstrap, Git/GitHub, Java/J2EE, JMS (Java Message Service), Spring framework, Spring MVC, JUnit, CSS3 media queries, Scrum methodology, agile environment, Spring Security.

**EducationalQualifications**

Bachelor of Technology in Electronics and Communications Engineering Aug 2010 – May 2014

JNTU-H