Vamshi Krishna Reddy Mukkisa

Full Stack Java Developer

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CAREER OBJECTIVE:

Overall 9+yerars of experience as a Java Full Stack Developer, my goal is to leverage my strong foundation in both front-end and back-end development to contribute effectively to dynamic software projects. I am passionate about creating robust, scalable, and user-friendly applications that address real-world challenges. My aim is to work collaboratively with cross functional teams utilizing my expertise in Java, JavaScript, AWS Cloud Services and other modern technologies to deliver innovative solutions that enhance user experiences and drive business success I am committed to continuous learning and staying up to date with industry trends.

Professional Summary:

- Experienced java/J2EE Developer with more than 9+ years of expertise in the Software Development Life Cycle (SDLC), Object-Oriented programming, and testing of enterprise and web applications, and proficient in various Agile methodologies, including Test Driven Development and Pair Programming.
- Demonstrated success in UI design using **HTML5, CSS4, TypeScript, JavaScript, Node.js, React.js** and **Angular14/10/8/6/JS**, and Integrated Bootstrap for responsive web design pages.
- Expert in Java 11/8 and implementing concepts like Multithreading, Concurrency, Exception Handling, File handling, IO, Generics and Java collections in various projects.
- Utilized **Java8** features like **Lambda expressions, Functional Interfaces, Method References**, and **Stream API** for Bulk data operations on Collections which would increase the performance of the Application.
- Proven proficiency in the design and development of Microservices using **Spring Boot, Spring MVC, Spring Cloud, AOP, IOC, JDBC, REST, Eureka** and **Hystrix**, integrate Hibernate Framework in the back end to perform database operations and provided authentication and authorization by using **Spring Security, OAuth2.0** and **JWT.**
- Hands-on familiarity with Amazon Web Services, including **EC2, S3, Lambda, RDS, Elastic Load Balancing, SQS, SNS, IAM, Cloud Watch, Elastic Beanstalk,** and **Cloud Front**.
- Execllent in Kubernetes for orchestrating the deployment, scaling, and management of Docker Containers, and expertise in crafting Docker images, Containers, and their integration with Spring Boot.
- I have experience in constructing data pipelines using **Kafka** and **Spark**, handling messaging services through **Apache Kafka, JMS,** and **RabbitMQ**. Hands-on experience on Web Services such as **SOAP, REST,** and **WSDL.**
- Proficient in employing Continuous Integration and Continuous Deployment pipeline strategies with **GIT, Nexus, SonarQube, Jenkins, Maven, Docker,** and **Kubernetes** with a track record of success in enterprise solutions using **AWS, NoSQL, MongoDB, Apache Solr, Elasticsearch, Kibana, Memcache, MySQL, and SQL Server.**
- Hands-on Experience in unit testing using **Junit with Mockito** and **TestNG frameworks**, and implemented integration testing and automation testing with **Selenium, and CUCUMBER**.

- **Kubernetes** is being used to orchestrate the deployment, scaling and **management of Docker containers.**
- Used **JMeter** for performance and load testing the individual back-end services, and experienced in **JIRA** for bug tracking, creating tasks and assigning to the teams.
- Implemented build tools like **ANT, Maven, Gradle** and used logging tools like **Apache Log4j2** to log the information which helps in debugging.

Technical Skills:

Programming Languages	Java, PL/SQL, Python, C, C++.
J2EE Technologies	Spring, Struts, Hibernate, Junit, Log4J, Node-JS, Spring Boot, REST Web Services, SOAP, Spring Boot, Micro Services, ActiveMQ, RabbitMQ, JAX-RS, JAX-WS, REST API
Web Technologies	HTML5, CSS3, jQuery, Bootstrap, Angular 14, ReactJS, Node.js, XML, AJAX, SOAP, Apache Camel 2.4, REST, JSON
IDE's & Tools	Eclipse, MyEclipse, IntelliJ, TOAD, Postman, SOAP-UI, Maven, Maven 2, ANT, Jenkins, Firebug, Jira, Bitbucket, CICD,
Application Servers	WebSphere Application Server (WAS), JBoss
Version Controls	SVN, Perforce, Git-Hub
Cloud Technologies	AWS (EC2, S3, IAM, Lambda), DevOps, Azure, GCP
Web Services	SOAP, Restful, UDDI, WSDL, JAX-RPC, JAX-RS, JAX-WS, JAX-B, Axis2, Micro Services, AWS (Amazon Web Services)
Databases	MySQL, PL/SQL, MongoDB, Oracle 11g, DB2
Methodologies	Agile, waterfall, Scrum.
Testing/Bug Tracking Tools	JUNIT5, Mockito, Selenium, Cucumber, JIRA 7.0, JMeter
Build Tools	Ant 1.10, Maven 3.3.9, Jenkins with CI/CD pipelines

Professional Experience:
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Client: Premera Blue Cross of Washington | Lynwood, Washington   **Oct 2022–Till Date**
Role: Sr. Full Stack Java Developer

Project Description: as part of Premera Blue Cross, focusing on enhancing digital experiences for health insurance services. My project Contributed to the development of a Claims Processing Automation System aimed at optimizing claims management and enhancing operational efficiency within Premera Blue Cross's healthcare insurance services. The system utilizes Java for backend development and AWS services for scalable data processing and analytics, facilitating real-time data insights to support timely decision-making.

Responsibilities:

- Adapted Agile Methodology from specification, Analysis, Design, System integration, Testing, Deployment and Maintenance.
- Developed and maintained interactive and dynamic web pages with cross browser compatibility using hand coded semantic **HTML, CSS, JavaScript, React JS** and **Bootstrap**.
- Responsible for front-end UI development using **HTML5, SCSS, Typescript, and RxJS**.
- Server instances were created on **AWS**. **Tomcat and Swagger** were installed and used for deploying Microservices.
- Worked extensively on built-in components and developed single page applications using **ReactJS.**
- Hands-on experience in **AWS** services like **EC2, S3, AMI, RDS, CloudWatch, CloudTrail, and AWS Config.**
- Created User Controls and simple animations using **Java Script**.
- Built Micro Services architecture in AWS and created **ELB'S, Auto-Scaling groups in EC2** using **prebaked AMI and Docker containers**.
- Worked on **AWS EC2** for deploying and testing the lower environments such as **Dev, INT and Test**.
- **Amazon IAM** was used to maintain the user credentials and involved in creating **custom IAM policies** to various groups defined within the organization.
- Worked with **NoSQL database** to store **JSON** like dynamic connections data.
- Developed the unit and integration test cases for the components implemented using **JUnit and Mockito.**
- Object storage service **AWS S3** is used to store and retrieve media files such as images.
- **Cloud Watch** is used to monitor the application and to store the **logging information**.
- Involved in writing **Java API for Amazon Lambda** to manage some of the AWS services.
- Wrote build & deployment scripts using **Maven, shell scripts** to build and deploy the application in **JBoss** Application Server.
- Worked extensively with **Network File System (NFS)** for storage.
- Developed reusable and interoperable Web service modules based on SOA architecture using **SOAP and Restful API's.**
- Working experience in **core java, struts, SQL server, DB2, REST webservices, spring, Hibernate.**
- Utilized **Apache SPARK** for large-scale data processing, enabling efficient data transformations and analysis.
- Developed and maintained microservices-based applications using **Java and Spring Boot**, leading to improved scalability and maintainability.
- Worked on a team responsible for building a distributed messaging system using **Apache Kafka** for data streaming and processing.
- Maintained Interface compatibility and concurrency in the project using Java new features like **Lambda expressions, Default, Static methods**, and Concurrency API.
- Implemented the various services using **Micro Services architecture** in which the services work independently.
- Implemented the application using **Spring IOC, Spring MVC, Spring Boot, Spring Security and Hibernate.**
- Designed and maintained API Automation documentation using **Swagger**, improving API usability for external developers.
- Created and configured the continuous delivery pipelines for deploying Micro services using **Jenkins CI server.**

- Implemented service methods and **SQL queries, PL/SQL, Store procedures** to interact with the **Oracle DBMS** and worked with **Cassandra**.
- Designed **RESTful APIs** for inter-service communication, enabling seamless integration between microservices.
- Used IntelliJ as IDE, configured and deployed the application onto Tomcat application server using **Maven build scripts** to automate the build and deployment process.
- Used **JIRA** extensively to log all issues and track development status.

Client Name: Bank Of America   **Mar 2021-Sep 2022**

Full Stack java Developer

Project Description: I worked on a project at Bank of America, a leading financial institution. Here, I developed the Advanced Online Banking Platform Enhancement, aimed at improving the digital banking experience for customers. The project focused on streamlining the user interface, enhancing security measures, and ensuring scalability to handle increased user demand. By integrating advanced technologies, we optimized the platform's responsiveness and cross-browser compatibility, ensuring a seamless and secure banking experience across all devices.

Responsibilities:

- Designed and Developed wireframes for UIs and Webpages using **JavaScript, HTML, CSS**.
- Developed a **Micro Service** Oriented application with **React JS** in the front end and Spring Boot services.
- Developed and implemented views using **HTML5, CSS3**, **Bootstrap, AJAX**.
- 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**.
- Used React **Router** to create a **Single Page Application** (SPA) which can bind data to specific views and synchronize data with server.
- Performed Unit testing on applications using tools **Mocha** and **Chai** to test **React JS** components.
- Used the fundamentals of **Java** like parallel streams and filters through **lambda expressions** to handle the searching.
- Developed and deployed **Micro Services** based applications using **Spring Boot and Spring Cloud.**
- Expertise in using **Spring Security Module** by utilizing its **Site Minder, OAuth 2.0 Configuration, OpenID Connect for Enterprise Application Authentication and Authorizations.**
- Used **Spring IOC** for specifying the dependencies of the objects using dependency injection.
- Implemented **ORM frameworks** such as **Spring Data.**
- Used **Hibernate** as the **Object-Relational Mapping (ORM)** tool to access persistent data.
- Worked with **spring batch** to convert xml files to data base records.
- Developed Mean Stack from scratch including **Mongo DB server (Mongoose Connector)** setup and **Express JS server development**.
- Ensured that the **ping** functionality doesn't expose any security vulnerabilities or allow for misuse, such as using it for denial-of-service attacks.
- Managing the **OpenShift** cluster that includes scaling up and down the AWS app nodes.

- Used version control systems (like Git) to manage code changes, track history, and collaborate with other team members effectively.
- Designed and developed Micro services using Spring Boot, **Docker** CE, **REST API** for backend systems that srve to communicate with customers to generate correspondence for customer components running on **AWS VPC** and **AWS EKS Kubernetes** cluster.
- Used a highly durable messaging system called **Apache Kafka** for asynchronous exchange of vital information between multiple business applications.
- Worked with **Jenkins** Continuous Integration and Continuous Deployment (CI/CD).
- Creating, managing, and performing container-based deployments using **Docker images** containing Middleware and applications together.
- Built AWS S3 buckets and managed policies for **S3** buckets and used **S3** bucket and Glacier for storage and backup on **AWS**
- Deployed the application on **Amazon Web services (AWS)** and used it to provide a large computing capacity for scalable solutions.
- Configured **AWS Multi Factor Authentication** in **IAM** to implement 2 step authentication of user's access using Google Authenticator and **AWS** Virtual MFA.
- Design **AWS Cloud Formation** templates to create custom sized **VPC, Subnets,** NAT to ensure successful deployment of web applications and data base templates.
- Utilized **Amazon AWS Route53** to manage **DNS** zones and assign public DNS names to elastic load balancers IP's
- Designed and developed **Kafka** streaming applications using the **Kafka** Streams API or other compatible libraries.
- Managed the deployment and scaling of **Spark** streaming applications, potentially using containerization technologies like Docker and orchestration tools like Kubernetes.
- Used **Jenkins pipelines** to drive all micro services builds out to **Docker registry** and then deployed to **Kubernetes,** created pods and using **Kubernetes.**
- Worked in using **React JS Components, Forms, Events, Keys, Router, Animations and Flux Concept.**

Client: Teladoc Health, Harrison, NY.   **Jan 2020-Feb 2021**

Role: Java Developer

Project Description: Collaborated with Teladoc Health to enhance and optimize their telehealth platform, aiming to improve user experience, system performance, and overall accessibility. The project focused on integrating advanced technologies to provide seamless virtual healthcare services to patients and healthcare providers.

Responsibilities:

- Involved in various phases of **Software Development Life Cycle (SDLC)** of the application like Requirement gathering, Design, Analysis and Code development.
- **Agile Methodology** is used for development of the application.
- Involved in writing **jQuery**-based **Ajax** requests using jQuery.get (url, data, callback, type).
- Fixed bugs and problems in websites for design, **CSS**, **HTML**, and **JavaScript** Library.
- Used **Bootstrap** library to quickly build project UI's and used **Angular 2** framework to associate **HTML** elements to models and developed test cases for **Angular 2** using **karma** and **Grunt.**
- **Spring with Tiles Framework** is implemented for a common look in all the presentation views.

- Implemented **Spring JDBC** at database layer to persist the object into database and created connections to MySQL database using **Spring JDBC** to perform **CRUD** operations at database level.
- Continuous integration services are provided for software development using **JENKINS**.
- Developed BDD tests using Cucumber by writing features and Developed **Selenium** support code in **JAVA**.
- Performed parameterization of the automated test scripts in Selenium to check how the application performs against multiple sets of data to develop Automation Framework that uses **Selenium Web Driver** and **TestNG.**
- Developed the **ANT** scripts for preparing **WAR** files used to deploy **J2EE** components.
- Designed and implemented the **MongoDB** schemas, implemented Embedded and Normalized data models in **MongoDB**, and added / removed replica and shard nodes in **MongoDB** Cluster as needed.

Client: Dollar Tree, Chesapeake, VA.   **May 2017-Dec 2019**

Full stack Developer

Project Description: worked on a project at Dollar Tree, a major retail company. Here, I developed the E-Commerce Platform Modernization, a comprehensive upgrade aimed at enhancing the online shopping experience for customers. The platform streamlined the user interface, improved system performance, and ensured scalability to support growing business demands. We integrated advanced technologies to optimize the website's responsiveness, ensuring a seamless shopping experience across all devices.

Responsibilities:

- Deployed Spring Boot based **Microservices** Docker and Amazon EC2 container using AWS admin
- Developed Project Specific **Java API**s for the new requirements with the Effective usage of Data Structures, Algorithms, and Core Java, OOPS concepts.
- Developed web service for web store components using **RESTful** API using Java & Spring.
- Knowledge of publishing and consuming **REST-Based XML Web Service** with the use of annotations that help define the **RESTful web service**.
- Having Experience in **SOAP** and **Spring MVC.**
- Good Hands-on Experience on **JBOSS** server.
- Experienced in developing web-based applications using **CSS, HTML, JavaScript, jQuery, UML.**
- Developed **Node js, RESTful** services. **Reacts Js** frontend web application development.
- Developed business modules using **Hibernate** and **Spring framework** technologies.
- Created and modified Complex **SQL** Commands.
- Hands-on Experience with **XML, JSON, RESTful Web Services**.
- Responsible for analysis, design, development and integration of backend components using **J2EE** technologies such as **springs** and **Spring JDBC and EJB's**.
- Actively involved in requirements gathering, Analysis, Conceptual Design.
- Analyzing the execution plan and choosing the optimized query for the DB operation using **SQL Developer**.
- Having Experience on **Oracle 11g, MS SQL** Server and **MYSQL**
- Implemented agile methodology throughout the project development lifecycles.

- Implemented **Micro services** architecture using Spring Boot for making application smaller and independent.
- Designed and developed Business Services using Spring Framework (Dependency Injection) and DAO Design Patterns.
- Developed Project Specific Java APIs for the new requirements with the Effective usage of Data Structures, Algorithms and **Core Java, OOPS** concepts.
- Developed web service for web store components using **RESTful API.**
- Used XML, XSD and JSON messages for Data transfer. Used JAXB API and DOM for XML parsing messages.
- Developed application Specific thread safe **XML APIs, XML Document Builder** and parser utils, validators using java DOM Parser which is used among the components.
- Implemented Business logic in the middle-tier using Java classes, Java beans.
- Created and modified Complex SQL Commands.
- Involved in configuring Web.xml, Springs-context.xml.
- Used **Soap UI** for Dev-to-Dev testing.
- Good at writing build files with **ANT and Maven**.
- Used Sonar for maintaining the code quality and **JUnit** code coverage.
- Created and Modified Jasper Reports and having good Knowledge of **Jasper server.**

Client: Citrix Systems, Hyderabad   **July 2014-Apr 2017**
Role: Software Developer

Project Description: Developed an Automated Data Processing System aimed at optimizing data workflows and enhancing operational efficiency within Citrix's internal operations. The system leverages Apache Beam and Dataflow for real-time data ingestion and processing, facilitating seamless integration with existing data sources and cloud platforms.

Responsibilities:

- Followed Agile methodologies to execute project. Build the application using **TDD** (Test Driven Development) approach.
- Created web application prototype using **jQuery** and **Angular JS**.
- Developed user interfaces using **JSP, AJAX, JavaScript, HTML5, and CSS.**
- Developed business logic using **Java /J2EE, Spring MVC, Hibernate** and various OOPS concepts.
- Created Typescript reusable components and services to consume REST API's using Component based architecture provided by **Angular.JS and Node JS**
- Created Front end pages Using JSP's and handled the server-side logic in **EJB 3.0 and Servlets**.
- Responsible for system development using Factory**, DAO and MVC Design** Patterns.
- Involved in writing stored procedures and functions in **PL/SQL** to access Oracle database.

- Hands on professional experience **in NodeJS, Mongo DB, Angular JS, HTML5, CSS and Bootstrap**.
- Designed and developed comprehensive J2EE application framework. Framework included Enterprise **Java Beans (EJB), Servlets, JSPs, Request Processors, Data Access**

Objects, and Message Queues (JMS). The new architecture significantly reduced response times

- **PHP environment** that includes distributed web servers and a MySQL database cluster.
- Designed databases, utilized **MYSQL, PHP used HTML and VBScript**, which ran at client side.
- Experienced with security groups, network ACLs, Internet Gateways, and Elastic IP's to ensure a safe area for organization in AWS public and private cloud.
- Worked in an Enterprise Application where we had to implement Micro Services in order to separate the tasks and not to have dependency on other Parallel on-going tasks of same Application.
- Implemented business logic using **Servlets** and actively participated in deploying the application in **Apache Tomcat**.
- Developed **DAO** layer communicated with the **Oracle** database with help of Hibernate framework.
- Developed **Oracle SQL Queries and Stored Procedures**.
- Developed test cases and performed unit testing using **JUNIT** Test cases.
- Performed code build and deployment using **MAVEN**.
- Provided the design, installation and coding support for the integration of **NoSQL** solution to the enterprise and the migration of business data from Oracle to **Apache Cassandra**.
- Involved in the defect fixes. Configured and created application log files using **Log4j** required to trace application.

EDUCATION DETAILS:
- Master's, Information systems from **Pace University, New York, USA**
- Bachelor's, Computer Science from **JNTU Hyderabad, India**