# MYTHRI BHARGAV

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**Java Full Stack Developer**

**PROFESSIONAL SUMMARY:**

* **9+ years** of experience in design and development of projects, building distributed web applications using **Java/J2EE** on various platforms.
* Worked in all phases of the development life cycle including architecture, analysis, design, development, testing, implementation, deployment enhancements and production support.

# Good Experience with Spring MVC, Spring Boot, Spring AOP, Spring DAO, Spring Security, Spring Batch, Spring Transactions.

* Developed **Spring Boot Applications** using **Microservices** and **Synchronous protocols** like **Java/REST.**
* Used **Microservice** with **Spring Boot** through a combination of **REST** and **Apache Kafka** message brokers.
* Expertise in **Microservice** using **Spring, Spring Boot, Spring Cloud** to develop loosely coupled processes.
* Implemented **Microservices** based on **Restful API** utilizing **Spring Boot** with **Spring MVC** and **Apache Kafka.**
* Experience with **MongoDB** development (reports, schema design, map reduce functions) and migration from **SQL**

relational database to **NoSQL** databases like **MongoDB, Apache Cassandra.**

* Experience in creating **Docker** images, Containers, push/pull and integrating with Spring Boot.
* Proficient in using various **AWS** components like **EC2** for virtual servers, **S3** and **Glacier** for storing objects, **EBS, Cloud Front, Elastic cache, IAM, Cloud, Dynamo DB**, **CloudWatch, Cloud Formation, SNS.**
* Experience in developing web-based applications using python, Django, Angular JS, HTML, Java Script and jQuery.
* Experience in writing the entities in **Scala** and Java along with named queries to interact with the database.
* Implementing a search microservice (**Scala**, **REST** and **Elastic Search**)
* **Experienced in developing UNIX shell scripts for batch processing and python scripts.**
* Worked on the Deployment, Configuration, Monitoring and Maintenance of OpenShift Container Platform.
* Worked with **Docker** and **Kubernetes** on multiple cloud providers, from helping developers build and containerize their application (**CI/CD**) **pipelines** to deploying either on public or private cloud.
* Extensive experience in developing Single Page Applications (SPA) using Type Script with Angular frameworks 8, 9, 12.
* Developed an Openld Connect/Oauth2 user management service.
* Experience in testing with **JUnit Framework** using **Mockito** and **Easy Mock, Spring Junit Runner, JMeter.**
* Good expertise in building tools like **ANT, Gradle** and **Maven.**
* Install, configure, test, monitor, upgrade, and tune new and existing PostgreSQL databases.
* Used **JENKINS** for continuous integration (CI) and continuous deployment (CD) pipeline.
* Experience with OpenShift, Kubernetes architecture and design, troubleshooting issues and multi-regional deployment models and patterns for large-scale applications.
* Ability to provide solutions from a functional and technical perspective, meet deadlines.
* Strong experience with version controls **GIT**, **Bitbucket, SVN.**
* Demonstrates sound understanding of IAM workflow and tools and technology in Identity and Access management area.
* **JIRA** as Defect management for bug, issue tracking of application.

EDUCATIONAL QUALIFICATION

• Masters in Artificial Intelligence from Gannon University, - Jan’ 22.

• Bachelors in science software engineering Honors from St. Francis College for Women, - April’15.

PROJECT EXPERIENCE

**Wells Fargo, New Brunswick NJ**

# Role: Full Stack Developer

**Duration: March 2023 - Present**

# Responsibilities:

* Collaborated with a team on implementing new features in an **Agile** environment.
* Worked in all phases of the development life cycle including architecture, analysis, design, development, testing, implementation, deployment enhancements and production support.
* Used **Spring Boot** for building applications with **Spring initializers** and bootstrapping the build configuration and developing custom solutions that act upon **Jenkins** information in authentic time.
* Developed the application with various **Spring Framework** modules like **Spring IOC, Spring AOP, Spring JDBC, Spring Security** and **Spring Batch.**
* Use **Spring MVC** with Annotations in integrating different layers within the application.
* Strong experience with version controls **GIT.**
* Experience on creating Microservices with Spring Boot, AWS ECS and REST.
* Building the AWS Infrastructure using IAM, EC2, S3, Route 53, ECS, Security Group, Auto Scaling, SNS and RDS.
* Developed API for using AWS LAMBDA to manage the servers and run the code in DB.
* Used **JENKINS** for continuous integration (CI) and continuous deployment (CD) pipeline.
* Used Spark Data frame APIs to inject oracle data to S3 and stored in Redshift.
* Code review with Tech Lead/Arch and using the SonarQube for code validation to avoid violations.
* Used Swagger Framework for Restful API documentation as swagger gives the rich UI to test the API.
* Responsible for developing python code for consuming restful APIs using Flask.
* Developed a full automated continuous integration system using Git, Jenkins, MySQL tools developed in python and bash.
* Collaborated with the team and worked on Apache Camel (MQ) and IBM MQs as a POC for the project.
* Exposed the API Metadata using swagger for external systems.
* Confidential Data through Spark and apply transformations rule.
* Saved the data in redshift and S3 using Spark.
* Experience with **MongoDB** Installation, Configuring and Monitoring and Worked on **MongoDB** database concepts such as locking, transactions, indexes, sharding, replication, schema design, etc.

# Environment: Java 1.8, Spring Boot Framework, RESTful Services, Microservice, MongoDB, Spring Security, Hibernate, Spring AOP, Apache Camel, Kafka, Angular 12, AWS, Oracle, SonarQube, Swagger, Elastic Search, Redshift, Maven, JIRA, GIT, Jenkins, Log 4j 2, Agile

**Citizens Bank, Haddon’s NJ**

# Role: Full Stack Developer

**Duration: February 2022 - March 2023**

# Responsibilities:

* Collaborated with a team on implementing new features in an **Agile** environment.
* Building custom advanced data visualization with **D3.js**.
* Developing working prototypes from UI designs and building reusable code and libraries.
* Experience in using React JS components, Forms, Events, Keys, Router, plus Redux, Animations and Flux concept.
* Developed web application using MongoDB, Express, React / Redux, Node ]S and GraphQL.
* Developed custom modular components and services using **RxJS**, **NgRx**, **Angular Material**, **Typescript** to implement key functionalities.
* Involved in developing Frontend (Angular 12)/backend (Node.js) application.
* Extensively used **Java8** features such as **lambda expressions**, **Parallel operations on collections**, multithreading and effective sorting mechanisms.
* Used Java8 features like Parallel Streams, Lambdas, functional interfaces, and filters.
* Built reactive **RESTful Microservices** using **Java 8** and Java frameworks **Spring Boot**, **Spring Web.**
* Worked as part of Microservices team to develop and deliver Maven projects to deploy on Jenkins CI/CD and also having experience in managing the Docker containers in Kubernetes.
* Used Apache Kafka cluster as messaging system between the APIs and Microservices.
* Migrating existing application into Microservices architecture using REST APIs, Spring Boot.
* Integrated DynamoDB using Lambda to store the values of the items and backup the DynamoDB streams. All the functionality is implemented using Spring Boot, Microservices and Hibernate ORM.
* Developed RESTful Services with JAX-RS using Spring Boot and Microservices Architecture.
* Used **Spring Boot** for building applications with **Spring initializers** and bootstrapping the build configuration and developing custom solutions that act upon **Jenkins** information in authentic time.
* Developed Apache Camel endpoints and used producer template to route messages to JMS queues.
* Develop strategy for integrating internal security model into new projects with **Spring Security and Spring Boot**
* Implemented middle tier using **Spring WEB and Spring Boot**. Created reusable components as **spring aspects** to use across the application.
* Used **Spring Boot Actuator** to monitor and manage the application in production environment.
* Written Templates for Azure Infrastructure as code using Terraform to build staging and production environments.
* Developed **Microservices** with **Spring Eureka** to retrieve API routes for the entire cluster.
* Used **Hibernate** as an Object-Relational Mapping ORM tool to store the persistent data and for communicating with Oracle database.
* Extensively used **Hibernate** concepts such as inheritance, lazy loading, dirty checking, locking and transactions.
* Used **AWS** cloud watch in maintaining and monitoring of production and corporate storages.
* Used Spring **JPA** to design entity data mapping with **Oracle DB.**
* Involving the code review and using the SonarQube to validate the violation.
* Created **Docker** containers and Docker consoles for managing the application life cycle.
* Managed **Docker** using **Kubernetes** and used **Kubernetes** for service discovery.
* Used **Jenkins** pipelines to drive builds to the Docker registry and deployed to **Kubernetes.**
* Incorporated **Apache Kafka**, **Elastic** Search, **MongoDB** and **PostgreSQL** to the project.
* Used Spring **Kafka API** calls to process the messages smoothly on **Kafka** Cluster setup.
* Java is often used to bridge the gap between **Kafka** and other data sources, such as databases, external APIs, or message queues.
* Java's multi-threading and multi-processing capabilities can be leveraged to build scalable **Kafka** consumers and producers that can handle large volumes of data.
* Developed **RESTful services** using **JAX-RS**, spring frameworks.
* Developed prepared statements using **NoSQL, SQL** queries.
* Used **GIT** as a version control system.
* **JIRA** as the bug tracking system to track and maintain bugs/issues.

# Environment: Java 1.8, J2EE, Spring Boot Framework, RESTful Services, Microservice, MongoDB, Spring Security, Hibernate, Spring MVC, Apache Kafka, HTML5, CSS4, JSON, SASS, ES6, Angular 12, TypeScript, Angular 9, Oauth2, XML, JavaBeans, AWS, Docker, Oracle, SonarQube, Swagger, Elastic Search, Kibana, Netflix Eclipse, Maven, Junit, Jasmine, JIRA, GIT, Jenkins, Log 4j 2, Agile

**Client: Kaiser Permanente, CA - Permanente, CA**

**Role: Java Full Stack Developer**

# Duration: Dec 2019 – Dec 2020

**Responsibilities:**

* Involved in Full Cycle of Software Development from Analysis through Design, Development, Integration and testing phases by following Agile Software Development with Scrum methodology.
* Analyzing, gathering and researching the application requirements. Performed Use case design, object modelling and transformed Use Case designs into Class Diagrams and Sequence Diagrams.
* Developed Code with Java SDK to connect to AWS services. Worked with S3 for storing and retrieving data stored in S3 bucket, Data backup and archiving on AWS using S3 and MongoDB to restore the metrics and backend reports.
* Collaborated with the team and worked on the proof of concept phase for cloud migration including build and deployment to AWS components like EC2 and setting up AWS S3 Storage.
* Wrote coding highly flexible, scalable and distributed applications using Scala.
* Kafka integration with Spark using Spark streaming API.
* Used Angular 12 as a framework to create a single page application (SPA) which can bind data to a specific views and synchronize data with the server.
* Used Angular 12 dependency Injection (DI) to inject Angular Services and Custom Services, as well as built custom directives to provide reusable components.
* Followed Test Driven Development (TDD)Methodology.
* Very strong experience writing API's/ and Web Services in PHP and in Python.
* Used python programming and Django for the backend Development, Bootstrap and Angular for frontend connectivity and MongoDB for database.
* Automation unit testing using Python.
* Data structures, algorithm sockets and threading were specified, prototyped, developed and tested on object oriented, multiplatform C++ framework.
* Used Java8 features like stream and Lambda expressions. Have also worked on Java8 along with Cold Fusion.
* Worked on Scala for implementing spark machine learning libraries and spark streaming.
* Worked on SOAP Web services using C++ in multi-threaded application development processing XML requests. Used various data structures, algorithms, STL and sockets.
* Used Rest Controller in the Spring framework to create RESTful Web services and JSON objects for communication.
* Use of Docker and Kubernetes to manage micro services for development of continuous integration and continuous delivery.
* Contribute to the support forums (specific to Azure Networking, Azure Virtual Machines, Azure Active Directory, Azure
* Storage) for Confidential Developers Network.
* Implemented integration tests using TestNG and functional testing using Selenium.
* Extensively monitor production and pre-production Logs to identify and troubleshoot the defects using Rancher, Splunk and Dynatrace for application performance.

**Environment:** **Java/J2EE, Java8, NoSQL & SQL Queries, Spring Boot, Spring, Spring Security, Restful Webservices, Microservices, Spring Hystrix, Docker, GIT, JUnit, Jenkins, Mockito, MongoDB, TestNG, Selenium, Angular 12, log4j, Agile, AWS, Methodology, Maven, Kubernetes, Splunk, Rancher, Run Scope, PCF, Dynatrace.**

**Client: Metamor Software Solutions, India.**

**Role: Java Developer**

**Sep 2015 – Nov 2019**

**Collections: (2017-2019)**

**Responsibilities:**

* Involved in Full Cycle of Software Development from Analysis through Design, Development, Integration and testing phases by following **Agile** Software Development with **Scrum** methodology.
* Analysing, gathering and researching the application requirements. Performed Use case design, object modelling and transformed Use Case designs into Class Diagrams and Sequence Diagrams.
* Followed **Test Driven Development (TDD)**Methodology.
* Experience in using **React JS components, Forms, Events, Keys, Router, plus Redux, Animations** and Flux concept.
* Good Experience in **React.js** for creating interactive **UI's** using **One-way data flow, Virtual DOM, JSX, React Native** concepts. Familiar with creating Custom Reusable **React Components Library**.
* Implemented **React JS** components and features to enhance the user interface and overall user experience.
* Developed the application using Core Java, Multi-Threading, Collections in abundance, Struts for backend APIs.
* Worked highend on collections and multithreading.
* Used **Java8** features like stream and Lambda expressions. Have also worked on **Java8** along with Cold Fusion.
* Used Rest Controller in the Spring framework to create **RESTful Web services** and **JSON** objects
* for communication.
* Recommend and develop a strategy for integrating **internal security** model into new projects with **Spring Security** and **Spring Boot**.
* Used **Spring IOC, AOP, Spring Boot** to implement middle tier. Created reusable components as **spring aspects** to use across the application.
* Implemented microservices using **Spring boot**, and enabled the discovery using **Netflix** eureka server**.**
* Used **Cassandra** clusters, Java Scripting to load unstructured data into sharing environment.
* Manage payment posting process including verifying error and performing resolution
* Hardly **focused** on **business to consumer (B2C)** which helps in fast rectifying& resolving solutions.
* Using **PCF** did smoke tests, which are functional unit and integration tests on all major system components
* Configured the **Docker** Containers and creating **Dockers** files for different environments.
* Involved in **Compilation of B2C** and Primary focus on **CI/CD** to resolve the break.
* Used **JENKINS** to improve Continuous integration (CI) and Continuous delivery (CD).
* Accountable to use **GIT** to control, track and maintain the different versions of the project.
* Used **Prometheus** to scrap the metrics of the application and **Grafana** for the graphical representation of metrics.
* Used **Log4j** to print the logs in the **Rancher** and to store them in the **Splunk**.
* Implemented integration tests using **TestNG** and functional testing using the **Selenium.**
* Extensively monitor production and pre-production Logs to identify and troubleshoot the defects using **Rancher, Splunk** and **Dynatrace** for application performance.

# Environment: Java/J2EE, Java8, NoSQL & SQL Queries, Spring Boot, Collections, Spring, Spring Security, Restful Webservices, Microservices, Spring Hystrix, Docker, GIT, JUnit, Jenkins, Mockito, MongoDB, TestNG, Selenium, log4j, Agile Methodology, Maven, Kubernetes, Splunk, Rancher, Run Scope, PCF, Dynatrace.

**Payment gateway: (September 2014 - 2017)**

**Responsibilities:**

* Developed presentation screens by using JSP, HTML and JavaScript.
* Implemented Model View Controller (MVC-2) architecture and developed Form classes, Action Classes for the entire application using Struts Framework and used for server-side validation.
* Performed client-side validations using JavaScript.
* Development of new modules for UNIX C++ applications.
* Well versed with the domain’s trends like tokenization or virtual cards for payment gateways and digital wallets.
* Used Hibernate Annotations to reduce time at the configuration level and accessed Annotated bean from
* Hibernate DAO layer.
* Used HQL statements and procedures to fetch the data from the database.
* Extensive Experience in JDK -1.5, 1.6 & 1.8 Strong understanding of Data Structures, Algorithms and collections Framework. good understanding of Lambda, Java Stream, Spring Security.
* Comfortable in development of both Rest-full and SOAP based API using API management tools
* Used JUnit Testing Framework for performing Unit testing.
* Deployed application in Tomcat and developed using Rational Application Developer RAD.

**Environment: Struts, Hibernate, Servlets, JSP, API management tools, Restful API, JMS, CVS, JavaScript, XSL, XSLT, PL/SQL, Junit, Tomcat, Oracle 10g**