

**Akhilesh Reddy Musuku**

**Phone:** +1(216)785-4858

**Email:** [akhil.reddy81192@gmail.com](mailto:akhil.reddy81192@gmail.com)

**Profile:** <http://akhileshreddymusuku.com>



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## PROFESSIONAL SUMMARY

- 5 years of professional experience working as a **Software Developer**.
- AWS certified Developer Associate.
- Oracle certified Java SE professional programmer.
- Implemented client-side resiliency patterns and server-side load balancing using **Circuit Breaker Design pattern** and **Eureka** server. <https://github.com/akhileshmusuku/myRetail>
- Implemented a proof of concept on **Kafka** producer and consumer using Spring Boot RESTful API and MongoDB. <https://github.com/akhileshmusuku/kafka>
- Implemented creational, structural and behavioral design patterns.
- Experience in **AWS, Microservices, Spring Boot, Core java, Servlets, Spring MVC, Hibernate (ORM), JDBC, Web Services, JUnit, Selenium, Cucumber, XML, JSON, HTML5, CSS, JavaScript, JQuery, AJAX** and **Angular JS**.
- Experience working with AWS services like **S3, EC2, Lambda, DynamoDB, IAM, SQS, Load Balancers and Elastic Beanstalk**.
- Experience using **Java 8** features like **Lambda expressions, Streams API, Functional Interfaces**.
- Implemented **CI/CD** of the applications using **Gradle, Maven, JFrog, Jenkins, OpenShift**.
- Experience with the Relational and non-relational databases **OracleDB, MySQL DB, MongoDB, and Cassandra**.
- Experience implementing Reactive programming with **RxJava**.
- Extensive experience working on Web and application servers **Apache Tomcat and WebSphere**.
- Experience implementing integration architecture using middleware technologies **IBM MQ, RabbitMQ and Apache Kafka**.
- Implemented **Redis and Memcached** Caching in the applications.
- Experience with centralized logging tools like **ELK**.
- Experience in developing Java **Web Services** using **SOAP** and **REST**.
- Implemented Authentication and Authorization for Web Apis using **OAuth** and **OIDC**.
- Experience in **Test Automation** using **Selenium, Mockito, Junit** and **Cucumber**.
- Experience working with various version control tools like **SVN, Git** and **IBM ClearCase**.

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## TECHNICAL SKILLS

<b>Languages</b>	: Java, JEE, Python.
<b>Databases</b>	: Oracle, MySQL, MongoDB, Cassandra.
<b>Frameworks</b>	: Spring MVC, Spring JDBC, Hibernate, SpringBoot.
<b>Web Technologies</b>	: HTML, CSS, XML, JavaScript, JQuery, AngularJS.
<b>Messaging Platforms</b>	: IBM MQ, Rabbit MQ, Kafka.
<b>Testing Frameworks</b>	: Selenium, Junit, Mockito, Cucumber.
<b>Tools</b>	: Eclipse, IntelliJ, Git, SVN, IBM ClearCase, Microsoft Package.
<b>Web Servers</b>	: Apache Tomcat, Web Logic.
<b>Web services</b>	: RESTful, SOAP, Servlets, JSP and JDBC.

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## EDUCATION

Cleveland State University, OH (MS, Electrical Engineering)	CGPA: 3.32/4	Dec 2015.
JNTUH, India (Bachelor of Technology)	CGPA: 3.21/4	May 2014.

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## CERTIFICATIONS

AWS certified Developer Associate	Nov 2020.
Oracle Certified Java SE Professional Programmer	Oct 2016.

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## PROFESSIONAL EXPERIENCE

**Best Buy,  
Richfield, MN**

**Role: Microservices Developer**

**Mar'2019 – Till Date.**

**Project description (BestBuy Enterprise Integration - ESP):**

ESP is a Web services framework which involves multiple services that work individually providing different functionality to the client applications via multiple protocols, using common Internet standards like HTTP, XML, SOAP, and JSON. This project involves developing rest based microservices to migrate existing Tibco based SOAP services and automating the functional tests using cucumber.

**Roles & Responsibilities:**

- Developing Microservices by creating REST APIs for retail business services on Spring framework.
- Implemented 12 factor design to build and deploy microservices to cloud platform, OpenShift.
- Implemented circuit breaker design pattern.
- Developed RESTful web services by identifying and leveraging existing SOAP Web services.
- Implemented web API's Authorization and Authentication using OAuth 2.0 and OIDC.
- Real time data streaming using IBM MQ, Rabbit MQ and apache Kafka.
- Maintain centralized logging for each service using Elasticsearch and Logstash and created dashboards in Kibana.
- Implementing Unit test and functional test automation using Junit, Cucumber and Mockito and generating automated test reports in Jenkins dashboard.
- Deploying the services to test environment by implementing CI/CD automation using Jenkins.
- Code integration and management using Git.
- Integrating with SonarQube to improve the code quality, decrease major & minor fixes.
- Collaboration with multiple teams to perform end to end Integration testing and Regression testing.
- Implemented Redis cache to increase throughput and decrease data access latency.
- Guiding junior developers in the team to learn new technologies.

**Environment:**

**Java8, Spring, Netflix OSS components (Zuul, Hystrix), Eureka, Rabbit MQ, Tibco Designer, Oracle, JSON, Restful Web Services using Micro services architecture, JIRA, Gradle, PL/SQL, Git hub, Eclipse, Junit and Linux.**

**Best Buy,  
Richfield, MN**

**Role: Java Developer**

**Mar'2018 – Feb'2019.**

**Project description (BestBuy Enterprise Integration - Apptalk):**

Apptalk is an internal BestBuy application developed and maintained by BestBuy. It has an important role in data processing between multiple systems. It is leveraged to an extent where it can read from and write to any sources of data like Databases, Queues, Webservices, flat files.

**Roles & Responsibilities:**

- Involved in the Requirement discussions, Analysis and Design Phase of the Application.
- Implemented Rest services to get and post data to various systems requiring the JSON format data.
- Implementing Core Java concepts and design patterns to build the framework and develop multiple services.
- Implemented Factory and Decorator Design patterns.
- Creating the Maestro jobs to manage the schedules of the services deployed to QA and production environments.
- Extensively Worked in the Unix environment.
- Responsible to maintain zookeeper which holds information of all integrations.
- Working with Bitbucket as source code control tool.
- Used Gradle to build the application and created deployment scripts in Jenkins pipeline to push changes to test and production environments.

**Environment:**

**Java8, Rabbit MQ, IBM MQ, Oracle 12g, MySQL, JSON, Restful Web Services, JIRA, Jenkins, Gradle, PL/SQL, Bitbucket, Eclipse, Unix.**

**Farmers Insurance,  
Woodland Hills, CA**

**Role: Application Developer**

**Aug' 2017 – Mar'2018.**

**Project Description (Farmers Insurance- ROM portal):**

ROM Portal is a one stop tool developed for tracking and updating ROM hours and project status for each release within the Farmers network by the client and vendors. The tool fetches project data from third party application and uses the data to capture ROM hours for each project in every phase and updates the status in Serena.

**Roles & Responsibilities:**

- Developed web-based Application using HTML5, JQuery, JavaScript, AngularJS and Bootstrap.
- Experience in writing angular.js code for developing Single page applications (SPA), used several in built language core directives, expressions, and modules.
- Implemented login module using session and cookie-based authentication.
- Used no-SQL database MongoDB to perform CRUD operations.
- Used Spring framework modules like Spring Core, Spring IOC, Spring MVC for accessing Data Source, Wired Objects of business classes.
- Worked on Sun Jersey REST framework to create web services.
- Used Apache Tomcat, as web server.
- Designed and proposed advanced solutions for Business requirements.
- Implemented PARAM Query grid to emulate the Microsoft Excel sheet. Export grid to excel is included.
- Implemented user-based login modules, restricting access to specific actions to be performed by specific roles.
- Interacting with the client team to understand business needs.

**Environment:**

**J2EE, Core Java, Spring, Maven, Eclipse, MongoDB, Windows, Apache Tomcat, REST.**

**Anjana Software Solutions,  
Simi Valley, CA**

**Role: Java Developer**

**May' 2016 – July' 2017.**

**Project Description (Farmers Insurance- Billing Hub):**

Farmers Insurance Group is the 3<sup>rd</sup> biggest insurance company in US and are part of the Zurich group, which has global presence in most of the developed countries in the world. Farmers Insurance Group currently sells Auto, Home, Life and Commercial Insurance coverage for the customers in US. Farmer's Billing-Hub deals with the Billing setup, Billing Inquiry and payment gateways for all Lines of Business.

**Roles & Responsibilities:**

- Involved in the Requirement Gathering, Analysis and Design Phase of the Application.
- Implemented Singleton design pattern.
- Designed and developed web-based Application using Angular JS, REST and Spring.
- Implemented Single Page Applications and two-way data binding.
- Implemented front end validations using JavaScript.
- Fixed Cross browser compatibility issues using twitter Bootstrap.
- Experience working with Spring Integration Gateway to invoke SOAP based web services.
- Involved in the migration of legacy system to Spring MVC.
- Developed DAO design pattern to handle the Database interaction using Spring JDBC.

**Environment:**

**Angular JS, Bootstrap, J2EE, Core Java, Spring, Maven, SOAP, REST, JUnit, Eclipse, WildFly-10.**

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