

Amith M

Email: amithm789@gmail.com

Phone: 6072698980

www.linkedin.com/in/mamithv

Professional Summary:

- Over 10+ years of experience in developing Web Applications/Backend System using Core Java/J2EE technologies, Cloud Technologies and Application Frameworks, expert in designing N-tier architecture applications.
- Hands on experience in all phases of SDLC mainly on Agile (Scrum) and Waterfall methodologies.
- Good experience in Core Java concept and technologies in Java 11/Java 8, such as Object-Oriented Programming (OOP), Data Structures, Algorithm, Collections, I/O Stream, Multithreading, and Exception Handling.
- Expertise in using J2EE design patterns including Front Controller, Data Access Object, Session Façade, Business Delegate, Service Locator, MVC, Data Transfer Object and GOF patterns - Factory, Abstract Factory, Singleton, Adapter, Observer, Composite etc.
- Experience in configuring and deploying applications on different application servers like Apache Tomcat, Web logic, IBM WebSphere, JBoss and web servers like Apache HTTP Server, and Nginx etc.
- Expertise in developing web application using Java Enterprise Edition (Java EE) like Servlet, JSP, JSF, and Struts.
- Expert at Java Backend Technologies including Object Relational Mapping (ORM) Framework such as Hibernate ORM and Java Persistence API (JPA) and Java Standard API like Java Database Connectivity (JDBC).
- Solid experience with Front-end Technologies such as Angular, ReactJS, NodeJS, HTML5, JavaScript, jQuery, CSS3, and Bootstrap 4/5 Framework.
- Experience in creating Angular modules, controllers, directives, and filters to deploy the entire business logic.
- Accomplished in developing web application with Microservices architecture using Spring Framework, including Spring IoC, Spring Core, Spring AOP, Spring Cloud, Spring Boot, Spring MVC, Spring Security with OAuth 2, SAML, JWT, SSO platforms, OWASP and Spring Data JPA.
- Good experience on Spring MVC and Spring's Integration with Hibernate and struts technologies.
- Good experience working on Cloud Amazon Web Services (Amazon EC2, Amazon S3, Amazon simple DB, Amazon Elastic Load Balancing, Amazon SQS, Amazon EBS, and Amazon CloudFront).
- Expertise in creating instances using Amazon EC2 and using lambda server less programming. Proficient in using AWS Elastic Beanstalk for handling capacity provisioning and monitoring application health.
- Expertise in using Hystrix (circuit breaker) library for lowering network latency and fault tolerance and Zuul gateway for routing, monitoring, security.
- Solid experience with deploying and testing web application in Microservices framework using Docker Container.
- Experience in implementing the new message retry mechanism using Kafka in the event of downstream systems. Also implemented Kafka to act as a broker between the consumer and the producer.
- Proficient in asynchronous communication using Apache Kafka and RabbitMQ.
- Experience with Java Web Services including SOAP, RESTful API and AJAX technologies and data transformation format in XML or JSON.
- Extensive experienced in developing data management system with Relational/Non-relational Database including Myant and MongoDB.
- Accomplished in with Test Driven Development (TDD) including JUnit and Mockito.
- Strong experience with version control and Continuous Integration and Continuous Deployment (CI/CD) tools like Git, Jenkins and Kubernetes with deploying tools like Maven.
- Strong experience in database design using SQL, PL/SQL-Stored Procedures, Functions, Triggers, Sequences, Packages and Views.
- Experience in using JavaScript testing frameworks like Karma, Jasmine, Protractor for Angular 2.0/4.0 and Mocha and Chai for React JS, and Node JS.
- Strong experience in working with Java based testing frameworks like JUnit, Selenium, TestNG, Mockito, Spock, Cucumber, and Powermock, etc.
- Experience in dealing with Cross Browser issues very effectively and work on almost every web Browsers Safari, Internet Explorer, Mozilla Firefox, and Google Chrome.
- Expertise in Unit testing using JUnit, Jenkins, Mockito & Karma/ Jasmine, Selenium, Integration testing, Smoke testing & System testing.
- Excellent team player and good temper interested at tracking new technologies and willing to learn.

- Excellent problem solving, analytical and leadership skills and ability to perform independently or as part of a team. Excellent Team Player. Excellent communication skills.

Technical Skills:

Programming Languages	Java 8/ 11, Java, J2EE, PL/SQL
Web Technologies	HTML5, CSS3, JavaScript, jQuery, AJAX, Typescript, AngularJS, ReactJS, NodeJS, Bootstrap, JSON.
J2EE Technologies	Servlets, Struts, EJB 2.0, JSF, JDBC, JSTL, JNDI, JMS, RMI, Java Bean, JPA
Web Services	JAX-WS (SOAP), JAX-RS (REST), REST API, WSDL.
Application Frameworks	Struts, Spring, Spring MVC, Spring boot, Spring Security, Spring Batch, and Spring ORM.
ORM Framework	Hibernate, JPA, DAO, Spring JPA, PFC
Test Automation Frameworks/Tools	Cucumber, Selenium, Test-NG, JUnit, Postman, Apache JMeter
XML	XML, DTD, XSL, XSLT, XHTML, XML Schema and DOM Parsers.
Cloud Technologies	AWS EC2, RDS, S3, ELB, Dynamo DB
Web/Application Servers	Apache Tomcat, Kafka, IBM WebSphere, Oracle WebLogic, JBoss.
Version Control	IBM Clear Case, SVN, CVS, Git.
IDE	Eclipse, My Eclipse, Edit Plus, NetBeans, Visual Studios.
UML Tools/Build Tools	Apache ANT, Maven, Jenkins, Docker, Kubernetes, JUnit, Jira
Design Methodologies	Agile, Scrum, UML, J2EE Design Patterns.
Databases	Oracle 9i/10g/11g/12c, SQL Server, MySQL, Mongo DB.

Professional Experience:

Client: Wells Fargo, NJ

Nov 2021 - Present

Sr. Java Full Stack Developer

Responsibilities:

- Worked in all phases of SDLC in involving specifications, gathering Requirements, Designing, Coding, Testing, Deploying, and Maintaining in implementing projects.
- Developed UI pages using HTML5, Bootstrap, CSS3, JavaScript, jQuery, AJAX, ReactJS, and NodeJS.
- Used ReactJS for creating interactive UI's using One-way data flow, Virtual DOM, JSX, React Native concepts.
- Used React Component for UX-Library consisted of Button, Checkbox, Input, Icons, Toggle Button, Dropdown, Multi-Level Dropdown and many more.
- Implemented Component life cycle architecture, store actions, using socket.io in React-Redux app to handle real time data, installing React Router, ThunkRedux for API calls in ReactJS.
- Implemented AWS solutions using EC2, S3, EBS, Elastic Load Balancer, Auto scaling groups and Cloud Formation Templates.
- Used Object Storage Service Amazon S3 to store and retrieve media files such as images.
- Used Amazon IAM to maintain the user credentials and involved in creating custom IAM policies to various groups defined within the organization.
- Developed API for using AWS Lambda to manage the servers and to run the code in the AWS and with AWS services as event sources.
- Refactored Microservices Architecture using Spring Boot and Spring Cloud for multiple integrators with factory pattern.
- Developed high-performance back-end applications by writing reusable, testable and efficient code using Node JS and connecting applications to the web services.
- Implemented API Gateway by Spring Cloud to generate auth token and JWT token and to filter unauthorized request.
- Developed Microservices with Spring Eureka to retrieve API routes for the entire cluster. Using this strategy each Microservices in a cluster can be load balanced and exposed through one API gateway.
- Responsible for creating Authentication and Authorization using OAuth2.0 and Spring Security Token and storing the data in the MongoDB using Node.js scripts.
- Used Microservices architecture with Spring Boot-based services interacting through a combination of REST and Apache Kafka message brokers.
- Developed Spring cloud functions-based lambda functions and developed native Microservices using Spring cloud libraries like Spring cloud eureka server, Spring cloud Zuul, Ribbon, Hystrix etc.

- Worked on integration of Amazon Web Services (AWS) with other applications infrastructure.
- Used ReactJS components, Forms, Events, Keys, Router, Animations and Flux concept Docker for creating Docker images for launching containers on EC2 and expert in using Docker for Environment provision solution.
- Setup Apache Tomcat as application server with MySQL as the backend and used Spring Data JPA with Caching to process all data on MySQL Database.
- Implemented Single Sign-On (SSO) and enhanced authentication and authorization of users' identity with OAuth 2.0 and Spring Security. Tested APIs by using Postman and collaborated on Git.
- Deployed a CI/CD pipeline with Jenkins, Git, Kubernetes, and Docker to AWS EC2 and AWS ECS.
- Implemented Test Driven Development and unit tests using TestNG and Mockito.
- Worked with Docker for convenient environment setup the test environments.
- Used JIRA tool for tracking new requirements, enhancements, bugs, and Git for version control.

Environment: Java 11, Spring Boot, Spring Cloud, Eureka, Zuul, Ribbon, Hystrix, Spring Security, AWS, EC2, S3, EBS, IAM, Elastic Load Balancer, Auto Scaling Groups, HTML5, CSS3, jQuery, JavaScript, ReactJS, NodeJS, OAuth 2.0, RESTful APIs, Kafka, Git, Jenkins, Kubernetes, Maven, Postman, Spring Tool Suite, MYSQL, Jira, TestNG

Client: Kaleida Health, Buffalo, NY

Aug 2019 – Nov 2021

Sr. Java Full Stack Developer

Responsibilities:

- Collaborated with the front-end developers and designed back-end services for business processes.
- Used Java 8 stream APIs for bulk operations on collections using parallel streams.
- Worked on Spring framework applications like Spring Core, Spring AOP, Spring MVC, Spring Batch, Spring Security and Spring Boot and did integration to Micro services into existing system architecture.
- Developed Spring Boot based Micro Services & implemented Spring Cloud/ Netflix API architecture patterns (Eureka Service discovery, and Configuration server).
- Oversaw migration of existing application into Microservices architecture using REST API's, Spring Boot and AWS. Deployed and maintained AWS EC2 instances in Docker.
- Used AWS code pipeline for moving the code across different environments.
- Created standards and patterns for deploying a spring boot data microservice architecture to AWS.
- Utilized the AWS Lambda platform to upload data into AWS S3 buckets and to trigger other Lambda functions (EC2, MongoDB) focusing on high availability, fault tolerance, and auto-scaling).
- Worked on implementation of business logic in struts framework and hibernate in back end.
- Used Hibernate as ORM mapping tool and worked with Hibernate query language (HQL).
- Designed user interface by using HTML 5, CSS3, JavaScript, Bootstrap, ReactJS, and NodeJS.
- Configured React-Redux for state management and React-Router for programmatic navigation.
- Developed various screens for the front end using React Native and used various predefined components from NPM (Node Package Manager).
- Developed Web API using NodeJS, ReactJS and React Native and hosted on multiple load balancers API instances.
- Created API documentation by using the Swagger framework.
- Used Bootstrap, ReactJS, and NodeJS in effective web design.
- Implemented and maintained the monitoring and alerting of production using AWS CloudWatch.
- Used JSON and XML for developing the application to interact with API's, Web Services.
- Used Spring Boot at back end which helped to develop application with ease.
- Worked on custom connectors using the Kafka core concepts and API. Implemented Hystrix a Latency and Fault Tolerance for Distributed Systems.
- Worked on development of Restful APIs for the front-end application and also performed the unit testing.
- Developed RESTful services using NodeJS Loopback Framework.
- Used NoSQL database MongoDB to store data of reporting Application which is of unstructured data.
- Implemented automated testing platforms and unit tests and proficient in understanding of code versioning tools such as GIT.
- Attended development meetings like stand-ups, kick-offs and design sessions with the teams and clients.
- Tested the APIs on the Postman tool to make it easy for creation, sharing, testing and documenting the APIs to save simple and complex HTTP requests and read their responses.
- Developed BDD tests using Cucumber by writing behaviour and step definitions and developed required Selenium support code in Java for Cucumber.

- Used Docker for developing test cases and performed unit and integration, tested by using JUnit.
- Involved in raising questions for business, getting answers from them, bug fixing, and tracking is done by JIRA and have provided solutions using and implementing AWS.

Environment: Java 8, Spring Boot, Spring Security, Spring Cloud, Netflix, Eureka, AWS, EC2, S3, VPC, ReactJS, NodeJS, NPM, JSON, Docker, REST API, Kafka, JavaScript, Swagger, MongoDB, Cassandra, HTML5, CSS3, Bootstrap, Postman, Cucumber, TestNG, Selenium, Node modules, GIT, Junit

Citi, New York, NY

Dec 2017 – Aug 2019

Java Full Stack Developer

Responsibilities:

- Used Scrum as development methodology, participated in Daily Scrum meetings, Sprint planning and business planning for the user stories.
- Used AWS for cloud services platform, content delivery and database storage.
- Wrote Java API for Amazon Lambda to manage some of the AWS Services.
- Used AWS to build Java applications that work with Amazon S3, Amazon EC2, and Amazon Simple DB.
- Migrated existing business applications to Amazon cloud services (AWS) based environment and deploy applications using Amazon Web Services (AWS).
- Designed and developed a web application based on Microservices using Spring Boot.
- Used Spring Cloud helping with load-balancing, circuit-breaking, distributed tracing, and monitoring.
- Implemented Presentation layer using CSS Framework, Angular 4, Typescript, Wire-framing, HTML5, and NodeJS.
- Implemented secure authentication and authorization services using JSON Web Token and SAML in the Single Sign-On (SSO) scenario.
- Created Typescript reusable components and services to consume REST API's using Component based architecture provided by Angular 4.
- Implemented the Project structure based on Spring MVC pattern using Spring Boot.
- Used Spring Security to provide JWT based authentication, authorization, and access-control features for the application. Used Spring Security for Authentication and Authorization of the application.
- Recommended and developed strategy for integrating internal security model into new projects with Spring Security and Spring Boot.
- Developed cloud hosted web applications and REST APIs using Spring Boot with embedded Tomcat.
- Used Hibernate in data access layer to access and update information in database.
- Used Hibernate mappings, relationships between tables and entity classes to access and update information in the database. Authenticated Users and provided security to Restful web services using OAuth 2.0.
- Used Swagger Framework, actualized the Restful API and Swagger gives the rich UI to test API.
- Worked on server-side templating languages, front-end technologies, fundamental design principles, HTML5, and CSS and strong proficiency in AngularJS, NodeJS frameworks and JavaScript.
- Designed the application using Microservices Architecture (based on Spring Boot) and Angular 5 framework.
- Developed application using concepts of Single page application using Angular 5 commands.ATG
- Designed and implemented the front-end insurance management interface with HTML5, JavaScript and jQuery.
- Designed and implemented Data Access Object (DAO) and Data Transfer Object (DTO) to separate data access methods from data transfer methods.
- Implemented JMS with RabbitMQ to publish the notification about important events for every user.
- Used Spring Data JPA with Caching to process data on MongoDB.
- Used Git repository to run the Jenkins job for Continuous Integration while developing the applications and posting them in GIT. Designed Test Driven Development and unit testing using TestNG.
- Used Jenkins, Kubernetes, and Docker to build a CI/CD pipeline in AWS EC2 and Jira for bug tracking.
- Worked on unit test cases using Karma and Jasmine on the client side.

Environment: Java 8, AWS, EC2, S3, Lambda, Spring Boot, Spring Security, Spring MVC, Angular 4, AngularJS, Typescript, NodeJS, MongoDB, Apache Tomcat, RabbitMQ, TestNG, Maven, Git, Jenkins, Kubernetes, Eclipse, Docker, Swagger, OAuth2.0, JMS, JavaScript, jQuery, HTML5, Karma, Jasmine, Jira

Client: CVS Health, Boston

Nov 2014 – Dec 2017

Java Full Stack Developer

Responsibilities:

- Enhance the user interface using HTML5, CSS3 and JavaScript Libraries like JQuery, ReactJS, Node JS, and Bootstrap.
- Integrated the Java code (API) in JSP pages and responsible for setting up the ReactJS framework for UI development. Developed HTML views with HTML5, CSS3, bootstrap, NodeJs and ReactJS.
- Used React JS to parse the data fetched from APIs and Performed web Page Applications using ReactJS with other development teams.
- Worked with Streams, lambdas and functional interfaces using Java (1.8).
- Worked with single page application framework AngularJS extensively using routing, services, views, directives navigation through the different status and multiple modules.
- Used AngularJS HTTP Module to make API calls and worked with the observables.
- Developed Spring Boot to fasten the application for removing boiler plate configurations by using Lambda Expressions. (Java8)
- Used loosely coupled architecture Spring Boot and developed Micro Services in the application by using Spring Boot.
- Developed Microservices for service-oriented architecture to build flexible and independently deployable software.
- Developed a Java web application using MVC by JSP, Struts 2 and hibernate.
- Used HTML5, JavaScript, and CSS3 for front-end web designs with AJAX to implement dynamic web page and implement asynchronous refresh.
- Integrated Spring ORM frameworks Hibernate for database operations with ORACLE.
- Used Hibernate Transaction Management, Hibernate Batch Transactions and Cache concepts.
- Used Java-based Restful services to display in UI and was involved in creating & consuming Restful web services to expose to other applications.
- Wrote Java classes, reusable components, and Java Beans for getting data from oracle tables.
- Created complex SQL queries and used JDBC connectivity through Oracle to access the database.
- Written SQL Scripts and PL/SQL Scripts to extract data from Database and for Testing Purposes.
- Connected the frontend and backend by JDBC with MySQL
- Integrated Spring with Hibernate and made as spring bean using Hibernate Template.
- Installed, configured, and hosted the Tomcat app servers and Oracle/MongoDB database servers on physical servers (Linux, Windows).
- Designed and implemented unit testing using TestNG and used Git for version control.
- Performed the Unit testing and basic functional testing with different sets of data.
- Participated in a Scrum team and Agile Practices including Test-Driven Development (TDD), Behaviour-Driven Development (BDD) and pair programming.

Environment: Java 8, Spring Boot, Hibernate, Apache Kafka, HTML5, CSS3, JavaScript, jQuery, AngularJS, Typescript, Spring Boot, Spring ORM, TestNG, Maven, Git, Eclipse, JDBC, MySQL, Jenkins, Kubernetes.

Client: Symplr, Bangalore, India

Dec 2012 - July 2014

Application Developer (Java/J2EE)

Responsibilities:

- Worked on application development using J2EE, Hibernate, Spring Boot, Microservices, HTML5, CSS3 and Web Services.
- Designed, developed, and tested J2EE components like Java Beans, Java, XML, Collection Framework, JSP, Spring and Hibernate, and Perl scripting.
- Worked with J2EE Design patterns (Singleton, Factory, DAO, and Business Delegate) and Model View Controller (MVC) Architecture with AngularJS for the front end.
- Used a complete annotation-driven approach to develop the application using Spring Boot and was also involved in setting up the spring bean profiling.
- Used Hibernate in the persistence layer and implemented DAOs to access data from the database.
- Developed business logic of the application to determine the benefits issuance to the users using Servlets, Struts and JSP.
- Prepare High level and low-level design documents which are helpful for the development of the application.

- Implemented Java multi-threading and thread-handling issues during application development.
- Wrote Microservices to export/import data and task scheduling using Spring Boot, spring and hibernate.
- Designed the front-end screens using AngularJS, HTML5, CSS3, JavaScript, JQuery, Bootstrap and Spring Boot.
- Used AngularJS and bootstrap as the development frameworks to build a single-page application.
- Configured JMS server setup, and DB connection setup & deployed Returned items in Web Sphere Server.
- Designed and developed the REST-based Microservices using Spring Boot.
- Developed REST controllers using Spring Data REST to serve the UI with required JSON data.
- Developed REST exception handling controller advice to respond to bad requests and server-side exceptions.
- Used Web services (SOAP) for transmission of large blocks of XML data over HTTP.
- Designed database and created tables, wrote complex SQL Queries and stored procedures as per the requirements.
- Made the integration of data in several applications in favour of JSON documents with dynamic schemas using Oracle database.
- Used RESTful Web Services as an interface between the interface layer and business logic layer along with JSON to exchange data.
- Involved in the Integration performance and unit testing of the project.
- Implemented Log4j framework and customized it to meet the application requirements and Jira for Bug tracking.

Environment: Java 8, Spring Framework, Hibernate, SQL, Oracle, Restful Web Service, HTML5, CSS3, JQuery, JavaScript, JSON, XML, JSP, Java Beans, Perl Scripting, Bootstrap, AngularJS, JMS, JIRA, Log4J, Agile

Education:

Syracuse University - Syracuse, NY.
Master's in Computer Science.

Aug 2014 – Dec 2015

VIT University - Vellore Institute of Technology, VIT University, Vellore, India
Bachelors in Electronics and Communications Engineering.

Jul 2008 – May 2012