Ram Mahidhar
Full Stack Java Developer
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BACKGROUND SUMMARY

- **Around 12 years of experience in Architecture**, Analysis, Design, Development, Testing and Support of Web applications using **Java/J2EE** with **Java, JSP, XML, JAXP, AJAX, Java EE/JAX-RS, JQuery, Servlets, ORM, JPA, ATG**.
- Experience in Use Cases, Sequence Diagrams and Class Diagrams using **UML, J2EEDesign Patterns** in using **Hibernate**, extensively used Entity Class Associations, Criteria Queries and Projections.
- Expertise in **J2EE** architecture using **Java 8, JDBC, JavaBeans, EJB, Servlets, JSP, JMS, Struts,** Comergent**, ANT, Log4J, UML, XML, CSS, HTML5,** and **JavaScript.**
- Expertise in **spring4/5** framework extensively used **Spring DI, Spring Batch, Spring AOP, Spring JDBC templates, multi-threading** and in working with **SOAP** &**REST Web Services**.
- Designing and developing **MicroServices** architecture applications. Hands on experience with IDE tools like **Eclipse, Visual Studio** and **Net Beans.**
- Experience in developing User Interface (UI) Applications and professional web applications using HTML5, CSS3, Bootstrap, **Angular6/7/10/12** JavaScript, Rx JS, JQuery, AJAX, RWD, JSON, XHTML and XML.
- Used Spring Core Annotations for Dependency Injection Spring DI and **Spring MVC** for **REST API** and **Spring Boot** for **Microservices**.
- Developed **Hibernate ORM mappings** and **annotations** and established data integrity among **Oracle DB tables.**
- Expertise in back-end procedure development, database modeling for Database Applications using **Oracle 11/12c, MySQL, SQL** and **PL/SQL**
- Having Good experience in developing and migrating existing applications into cloud-based platforms like Amazon Web Services (**AWS**), Pivotal **Cloud Foundry** (PCF), **GCP, Azure**.
- Expertise in server-side development with **JDBC, JMS, Servlets, MVC** architecture, **JavaBeans, XML** closely worked with **Kafka** Admin team to set up **Kafka** cluster setup on the QA and Production environments.
- Skilled in following the TDD approach to software development, ensuring robustness and reliability of code through comprehensive testing.
- Comprehensive knowledge of physical and logical data **SQL**, performance tuning and monitoring thorough understanding of DEVOPS processes with an emphasis on building a **CI/CD** pipeline
- Implemented **AWS** solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto-scaling groups and used **AWSSDK** to connect with Amazon SQS for bulk email processing.
- Experience in creating **Docker** Containers leveraging existing **Linux** Containers and AMI's in addition to creating Docker Containers from scratch.
- Used **Google Cloud** Foundry build pack to run many JVM-based applications (Grails, Groovy, Java Main, Play **Framework**, **Spring Boot**, and Servlet) with no additional configuration.
- Experience in using the **Docker** container system with the **Kubernetes** integration used **Grafana** as a monitoring tool for **Spring Boot** and **Adobe Analytics** for **ReactJS**.
- Extensive experience in developing **GUIs** using **Struts, Spring MVC,** Spring Web Flow frameworks.
- Good experience in using Version Controlling tools **(CVS, Subversion, Clear Case, Jenkins)** and defect tracking tools like **Clear Quest, Quality Center.**
- Strong experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL** relational databases to **NoSQL** databases like **MongoDB.**

TECHNICAL EXPERIENCE

Task Performed	Tools Used
Programming Languages	C, C++, Java 1.5/1.7/1.8, J2EE1.3/1.4, Python3.6.0, PL/SQL
Web Technologies	HTML5, CSS3, JavaScript, JQuery, AJAX, AngularJS, Angular6/7/10/12, NodeJS, React JS, Bootstrap, JSON.
Databases	Oracle 9i/10g/11g/12c, SQL Server, MySQL, Mongo DB
J2EE Technologies	Servlets, Struts, EJB 2.0, JSF, JDBC, JSTL, JNDI, JMS, RMI, Java Bean, JTA
Web Services	JAX-WS (SOAP), JAX-RS (REST), REST API, WSDL

Application Frameworks	Struts 1.x/2.x, Spring4/5, Spring Core, Spring MVC, Spring Boot, Spring Security, Spring Batch, Spring ORM.
ORM Framework	Hibernate, JPA, DAO, Spring JPA
XML	XML, DTD, XSL, XSLT, XHTML, XML Schema and DOM Parsers
Cloud Technologies	EC2, RDS, S3, ELB
Web/Application Servers	Apache Tomcat 6.0, IBM WebSphere 8, Oracle WebLogic, JBoss 4.0
Version Control	IBM Clear Case 7.0, 7.1, SVN, CVS, Git
IDE	Eclipse, My Eclipse, Edit Plus, NetBeans 7.0, Visual Studios
UML tools/ Build tools	Apache ANT, Apache Kafka, Maven, Google cloud, Jenkins, Docker, Kubernetes, JUnit, Jira, Dream viewer, , PCF, CI/CD, Azure, Rational Rose, UML
Design Methodologies	Agile, Scrum, UML, J2EE Design Patterns

PROFESSIONAL EXPERIENCE

Role: Full Stack Java Developer
Client: Freddie Mac McLean, VA
Duration: April 2024 – Present

Responsibilities:

- Designing, developing, and maintaining applications using **Java 17**, **Spring Boot**, **Spring Batch**, and **RESTful** Services.
- Leading the **design and development** of **microservices** using **Spring Boot** and **REST APIs** to enhance application modularity and scalability.
- Utilizing **JPA/Hibernate** for **object-relational mapping** to ensure efficient data management and interaction with **PostgreSQL** databases.
- Implementing and managing **Docker** containers and **Kubernetes** clusters to streamline development and deployment processes.
- Developing front-end components using **Angular 18**, ensuring a seamless and interactive user experience.
- Designing and implementing cloud-based solutions using various **AWS** services including **EC2, IAM, S3, Lambda, and managing APIs with Apigee**, integrating them with service mesh technologies like **Istio**.
- Working with **RDBMS** like **PostgreSQL** to design, implement, and optimize database schemas and queries.
- Applying DevOps tools and practices (**Jenkins, Artifactory, Maven/Gradle, GIT/BitBucket**) for **continuous integration, delivery, and deployment**.
- Ensuring application security, transaction management, monitoring, and performance tuning to maintain high-quality software standards.
- Implementing **OAuth** using **Ping Identity** for authentication and authorization.
- Using **Elasticsearch**, **Logstash**, and **Kibana** (ELK stack) for centralized logging, monitoring, and analysis.
- Developing and managing message queues using **ActiveMQ** to handle **asynchronous** processes and improve application performance.
- Utilizing **NoSQL** databases such as **MongoDB** for applications requiring flexible and scalable data storage solutions.
- Collaborating with project teams to understand application design and build processes, ensuring successful deployment in target environments.
- Utilizing **Spring Batch** for batch processing and **Cucumber** and **JUnit** for testing purposes.
- Monitoring microservices using **Kiali** and ensuring code quality with **SonarQube**.

Environment: Java 17, JSP, Spring MVC, Spring Web Flows, Spring 5.0, Spring Boot, Spring Batch ,Microservices, SOAP, REST, REST API, JQuery, MySQL workbench, DynamoDB, Google cloud, NodeJS, AngularJS, Angular18, CI/CD, Docker, Oracle 11g, XML, AWS, WebLogic 9, Eclipse, SVN, NoSQL, Apache Tomcat 9.x, Maven, Unix, Linux, Shell, Jenkins, Bootstrap, JSF, ActiveMQ and Junit, Jira, Jenkins, Scala, Play frame work.

Role: Full Stack Java Developer
Client: Fiserv KOP, PA
Duration: Feb 2023 – April 2024

Responsibilities:

- Lead the development efforts within a collaborative team environment, focusing on crafting scalable microservices using **Java 11** and **Spring Boot**. Responsible for designing, implementing, and maintaining critical components of a payment integration project.
- Act as a key liaison between business stakeholders and technical teams, effectively translating complex business requirements into comprehensive technical specifications. Drive the implementation of robust solutions that meet both functional and non-functional requirements.
- Play an integral role in a **SAFe Agile** setup, participating in **sprint planning**, daily stand-ups, and retrospectives to ensure alignment with project goals and objectives across multiple teams. Facilitate communication and collaboration to deliver **high-quality software solutions** within iterative development cycles.
- Design and implement **microservices architecture** patterns, leveraging **Spring Boot** and industry best practices to achieve scalability, fault tolerance, and maintainability. Implement **service discovery**, **load balancing**, and **circuit breaker patterns** to ensure robustness in distributed systems.
- Manage and optimize **NoSQL databases**, including **Cassandra** and **Redis**, to provide efficient data storage and retrieval capabilities. Design data models, implement data replication strategies, and tune database performance to meet evolving business needs.
- Utilize **Kafka** Messaging for real-time data processing and communication between distributed components. Implement **event-driven architectures** to enable seamless integration and decoupling of system modules, facilitating scalability and flexibility.
- Develop cloud-native applications on the **Azure** platform, leveraging services such as **Azure Kubernetes Service (AKS), Azure Cosmos DB, and Azure Functions**. Design resilient and scalable architectures, implement security best practices, and optimize resource utilization for cost efficiency.
- Design and implement **RESTful APIs** to enable seamless integration with internal and external systems. Define **API contracts**, handle **authentication and authorization mechanisms**, and ensure adherence to REST principles for consistency and interoperability.
- Establish and maintain **CI/CD** pipelines using Jenkins for automated build, test, and deployment processes. Configure build jobs, define deployment pipelines, and implement continuous integration and delivery practices to streamline development workflows and accelerate time to market.
- Troubleshoot and resolve complex technical issues in production environments, leveraging monitoring tools, log analysis, and diagnostic techniques. Collaborate with **DevOps** teams to implement proactive monitoring, alerting, and incident response strategies to minimize downtime and ensure system availability.
- Stay updated with industry trends, emerging technologies, and best practices in software development. Participate in technical forums, attend conferences, and engage with online communities to share knowledge, learn new skills, and drive continuous improvement within the project.
- Actively contributes to the refinement of development processes, methodologies, and tooling. Propose and implement process improvements, conduct retrospectives to identify areas for optimization, and foster a culture of continuous learning, experimentation, and innovation within the team.

Environment: Java 8, Java 11, J2EE 1.4,JSP, Spring MVC, Spring Web Flows, Spring 5.0, Spring Boot, Microservices, SOAP, REST, REST API, JQuery, MySQL workbench, DynamoDB, Google cloud, NodeJS, AngularJS, Angular7.0/10/12, CI/CD, Docker, Oracle 11g, XML, AWS, WebLogic 9, Eclipse, SVN, NoSQL, Apache Tomcat 9.x, Maven, Unix, Linux, Shell, Jenkins, Bootstrap, JSF, ActiveMQ and Junit, Jira, Jenkins, Scala, Play frame work.

Role: Full Stack Java Developer
Client: Silicon Valley Bank| AZ
Duration: Sep 2022-Feb 2023

Responsibilities:

- Used **REST API**, **HTTP** requests and implemented **JSON** format for data exchange for communication of **Microservices** with one another.
- Expertise in **spring5** framework extensively used Spring DI, Spring Batch, Spring AOP, Spring JDBC templates, multi-threading and in working with **SOAP** &**RESTful Web Services**.
- Used spring framework and **J2EE** components, Utilized Spring MVC, IOC, AOP and DAO modules. Developed controller classes, backend processes, complex services and database interaction
- Implemented the single page web application **Java 8** based front end for displaying user requests user records history and security settings various users using **AngularJS**
- Extensively used **Hibernate** concepts such as inheritance, lazy loading, dirty checking, locking and transactions involved in building **MVC** Frameworks and experience in **SOA** by creating web services with **SOAP**, WSDL
- Used **Microservices** architecture, with **Spring Boot** based services interacting through a combination of **REST**, **Apache Kafka** message brokers and leveraging **AWS** to build, test and deploy Identity micro services.
- Proficient in integrating test suites into CI/CD pipelines for automated testing and deployment, ensuring rapid feedback and continuous delivery of high-quality software.
- Developed the User Interface using **HTML5, CSS3, Bootstrap, jQuery, Angular JS and NodeJS** contributed to setting up a Jenkins **CI/CD** pipeline in a bid to enable quicker and smoother releases
- Created computing and data resources on AWS using EC2. Installed Pivotal Cloud Foundry on EC2 to manage the containers created by **Pivotal Cloud Foundry** (PCF).
- Used features in developing the code like Lambda expressions, **Google cloud(GCP)** creating resource classes, fetching documents from database.
- Experience with pivotal cloud foundry Open shift and **Docker** containerization and managing these containers using along with Zero Down Deployment.
- Implemented web services (**WSDL**) and effectively worked with **SOAP** and **XML**, and **XSLT** the user interface using JavaScript**, JSP, AJAX, Angular7, HTML5, CSS** and **Bootstrap**.
- Implemented **AWS** solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto-scaling groups and used **AWSSDK** to connect with Amazon SQS for bulk email processing.
- Carried out responsibility of delivering the tasks including database scripts, source code and any other documents as and when required through **GitHub.**

Environment: Java 8, J2EE 1.4,JSP, Spring MVC, Spring Web Flows, Spring 5.0, Spring Boot, MicroServices, SOAP, REST, REST API, JQuery, Hibernate 3.x, Kafka, MongoDB, PCF, Google cloud, NodeJS, AngularJS, Angular7.0, CI/CD, Docker, Oracle 11g, XML, AWS, WebLogic 9, Eclipse, SVN, NoSQL, Apache Tomcat 9.x, Maven, Unix, Linux, Shell, Jenkins, Bootstrap, JSF, ActiveMQ and Junit.

Role: Full Stack Java Developer
Client: Service Stream Limited, Melbourne, Australia
Duration: Nov 2016– Jul 2021

Responsibilities:
- Developed **RESTful** microservices in **Spring Boot** for real-time processing of network telemetry data and automated service provisioning.
- Implemented **Spring Batch** to handle large-scale processing of network maintenance logs and service records.
- Designed and integrated **Kafka-based event-driven architecture** for real-time streaming of network performance metrics.
- Migrated legacy **JMS-based** messaging system (**ActiveMQ**) to **Apache Kafka**, reducing latency in message processing.
- Developed network service automation tools using **Java**, **Python**, and **Shell scripting**, improving operational efficiency.
- Designed **React.js** and **Angular 6** front-end applications for real-time visualization of network outages, service status, and fault diagnostics.
- Implemented **GraphQL** APIs for optimized querying of network infrastructure data, improving API response times.
- Integrated **Azure** Cloud Services for scalable deployment of microservices and implemented Azure Virtual Networks (VNets) for secure networking.
- Worked with **NoSQL (MongoDB)** and **SQL (Oracle, PostgreSQL)** databases for storing and retrieving service provisioning data.
- Used **Spring Security** and **OAuth2** to implement secure authentication and authorization mechanisms.
- Developed network inventory management system that automated tracking of assets and resource allocation using **JPA** and **Hibernate**.
- Designed RESTful APIs to integrate with third-party telecommunications and utility providers.

- Developed and maintained **CI/CD** pipelines using **Jenkins**, automating deployment of services on **Kubernetes** clusters.
- Conducted performance tuning and optimizations for large-scale data processing jobs, reducing processing time by 40%.
- Collaborated with **DevOps** teams to containerize applications using **Docker** and deploy them on Kubernetes clusters.
- Designed network data models and developed SQL stored procedures and triggers for managing service requests.
- Used **Splunk** and **ELK stack** for log aggregation and real-time monitoring of network service health.
- Followed **Agile methodologies** and utilized **JIRA** for sprint planning, issue tracking, and project management.

Environment: Java 8/11, J2EE, Spring Boot, Microservices, REST API, SOAP, Spring MVC, Spring Batch, Hibernate, JPA, Kafka, Azure, Kubernetes, Docker, ReactJS, Angular6, TypeScript, MongoDB, PostgreSQL, Oracle, GraphQL, ActiveMQ, Jenkins, GitHub, Maven, Splunk, ELK Stack, JIRA, Shell Scripting, Linux, Python.

Role: Java Developer
Client: GlobalLogic Technologies, Hyderabad, India
Duration: Sep 2012 – Oct 2016

Responsibilities:

- Used Spring for bean instantiation, annotations, controllers, request mapping to handle the Webservice request and response.
- Developed REST Web services to make web service calls simple and easy for the client to access it with the help of standard HTTP URIs.
- Used SpringBoot which is radically faster in building cloud MicroServices and develop spring based application with very less configuration.
- Developing Intranet Web Application using J2EE architecture, using JSP to design the user interfaces and Hibernate for database connectivity.
- Developed DAOs using JPA, Hibernate persistence API for the database operations to interact with Oracle Database.
- Responsible for creating efficient design and developing User Interaction screens using HTML, CSS, JavaScript, JQuery, AJAX and JSON.
- Developed Web Services using SOAP, SOA, WSDL Spring MVC and developed DTDs, XSD schemas for XML (parsing, processing, and design) to communicate with Active Directory application using Rest API.
- Used AngularJS as the development framework to build a single-page application and reusable AngularJS applications.
- Design and developed request and response XML Schema (XSD) documents for Webservices operations such as Retrieve History.
- Extensive use for developing test cases and performed unit and integration, tested by using Junit involved in developing Webservices operations in Service Oriented Architecture (SOA).
- Used Spring Framework 4.1 for the application development. Involved in front end development using Struts, JSP's, JSF and JSTL.
- Implemented the application using Spring Boot Framework and handled the security using Spring Security JSP Standard Tag Libraries (JSTL) along with Expression Language (EL).
- Developed Groovy scripts to test Report application output. Used Selenium for UI automation and used log4j for logging errors, info, exceptions.

Environment: Java, J2EE, Eclipse 3.6, Agile, Spring, Spring MVC , Spring Boot, Hibernate, MicroServices, Cache Abstraction, SOAP, REST, REST API, tomcat 6 , Drools, JPA, Maven, GIT, Bamboo CI, , JUnit, Cucumber, Log4j, HTML5, CSS3, Ext Js, JSON, JMS, DB Visualize 7.1, WebLogic, UML, Mockito, JSP, XML, JAXB, Unix, Subversion(SVN), Clear Case, Jenkins.

EDUCATION

- Masters from Wilmington University, MS-IST, Wilmington DE, USA – 2022
- Btech from sphoorthy engineering college, ECE, India - 2012