

**Mallesh Ashamoni**

**Senior Java Develope**r

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**Summary:**

Experienced Senior Java Developer with extensive years of expertise in designing, developing, and modernizing enterprise-grade applications using Java (8 through 21), J2EE, Spring Boot, and microservices architectures. AWS Certified Developer – Associate with extensive hands-on experience in cloud-native development, leveraging AWS services such as EC2, S3, RDS, DynamoDB, Lambda, and ECS/Fargate for scalable, high-performance solutions. Proficient in building robust CI/CD pipelines with tools like Docker, Kubernetes, GitLab CI/CD, and Gradle, delivering rapid deployment cycles in Agile/Scrum environments. Skilled in middleware integrations using IBM MQ, Apache Camel, and JBoss Fuse, alongside database management with SQL (MySQL, PostgreSQL, OracleDB) and NoSQL (MongoDB, DynamoDB, Cassandra) systems. Proven track record in finance (Goldman Sachs) and healthcare (Conduent) projects, offering immediate value through technical proficiency, adaptability, and problem-solving.  Strong expertise in backend development using Java 11, Spring Boot, Spring Framework, Hibernate, and building secure RESTful services

**TECHNICAL SKILLS:**

**Languages & Frameworks:**

* Java 8, Java 11, Java 17, Java 21, J2EE, Spring Boot, Spring MVC, Spring Security, Spring Data JPA, Hibernate
* Apache Camel, JavaScript, HTML5, CSS3, SQL, PL/SQL, Python (exploratory for AI/ML concepts)

**Cloud Platforms & DevOps:**

* AWS: EC2, S3, RDS, DynamoDB, Lambda, CloudWatch, SNS, SQS, Secrets Manager, ECS with Fargate, API Gateway
* Azure: Azure DevOps, Azure Repos, Azure Pipelines
* GCP: BigQuery, Cloud Storage, Pub/Sub.
* Docker, Kubernetes, GitLab CI/CD, Jenkins, Maven, Gradle with Groovy Script

**Databases:**

* SQL Databases: MySQL, PostgreSQL, OracleDB (with PL/SQL expertise)
* NoSQL Databases: MongoDB, DynamoDB, Cassandra

**Middleware & Integration Tools:**

* IBM MQ, WebSphere Message Broker, IBM Integration Bus (IIB), JBoss Fuse, Apache Camel ESB

**Development Tools & Environments:**

* **Version Control:** Git, Bitbucket
* **IDEs:** Eclipse, IntelliJ IDEA, Spring Tool Suite (STS)
* **API Tools:** Postman, Swagger
* **Testing & Quality:** JUnit, Mockito, SonarQube
* **Collaboration & Logging:** Jira, Slack, SLF4J
* **Application Servers:** Apache Tomcat, JBoss, Jetty

**Emerging Skills:**

* Exploring AI/ML concepts and foundational Data Science skills with basic Python proficiency.

**Certification**: **AWS Certified Developer – Associate**

**PROFESSIONAL EXPERIENCE:**

**Goldman Sachs, Dallas, TX**

**Senior Java Developer (Contract) | September 2024 – Present**

**Project Overview:** Spearheaded the modernization of a critical enterprise application stack for a leading financial institution, upgrading from Java 8 to Java 17 and Spring Boot 2.7 to 3.2.0. The initiative focused on leveraging modern Java features, enhancing code maintainability, optimizing runtime performance, and ensuring compatibility with contemporary frameworks, while integrating AWS cloud services for scalability and security.

**Key Responsibilities:**

* Collaborated with business stakeholders to gather requirements, translating them into actionable Jira user stories for **Agile/Scrum** workflows.
* Upgraded the entire codebase and project dependencies to **Java 17**, incorporating new language features like **Records**, Text Blocks, and Switch Expressions to streamline code and improve readability by 20%.
* Refactored legacy **Java 8** code, eliminating deprecated methods and APIs, aligning with Java 17 best practices to achieve a 25% performance increase in application throughput.
* Executed a full migration from Javax to Jakarta EE 10 standards, ensuring compliance with **Spring Boot** 3.x and Spring Framework 6.x requirements for enterprise grade applications.
* Modified **Gradle** build scripts to set Java 17 as the target runtime, optimizing dependency management and ensuring seamless integration with Spring Boot 3.2.0 libraries.
* Designed and developed over 15 **RESTful** **microservices** using **Core Java**, **Spring Beans** with **Dependency Injection**, and Spring Annotations, handling 10,000+ daily financial transactions.
* Implemented **Spring Data JPA** for efficient data persistence, reducing database interaction complexity and improving query performance by 15% with relational databases like **Amazon RDS**.
* Secured microservices with **JWT** based authentication, developing custom security filters to validate tokens in incoming HTTP requests for stateless, secure API communication.
* Integrated **Spring Security with JWT** for role based access control, dynamically restricting resources based on user permissions in high stakes financial environments.
* Utilized **Spring Security**’s password encoding and hashing mechanisms to safeguard user credentials, mitigating risks like brute force attacks and password leakage.
* Containerized Spring Boot applications using **Docker**, deploying them on **Amazon ECS** with **Fargate** launch types for a scalable, fault-tolerant microservices architecture, reducing deployment times by 40%.
* Designed and implemented **CI/CD** pipelines with **GitLab CI/CD**, automating build, test, and deployment processes, enabling rapid iteration cycles in Agile sprints.
* Integrated **Amazon DynamoDB** with Java applications, optimizing read/write throughput for high-volume operations and reducing latency by 30% with **Redis caching**.
* Employed Java 11 features for streamlined development, including local-variable type inference and the **HTTP** client **API**. Enhanced security and performance with Java 11 optimizations for robust applications
* Configured API caching and throttling mechanisms to enhance performance, integrating **AWS S3** for storage and **SNS** for notification workflows.
* Wrote comprehensive unit tests with **JUnit** and **Mockito**, achieving 85% code coverage, and implemented **SLF4J** logging to capture runtime exceptions and debug issues effectively.
* Actively participated in **Agile/Scrum** ceremonies, including sprint planning, daily stand-ups, and retrospectives, ensuring alignment with project goals and timely delivery.

**Environment:** Java 8, Java 11, Java 17, Spring Boot, Gradle, Spring Security, AWS (ECS, RDS, DynamoDB, S3, SNS, CloudWatch), J2EE, RESTful Web Services, GraphQL, Docker, GitLab CI/CD, Tomcat, Postman, JUnit, SLF4J.

**Conduent, Atlanta, GA**

**Software Developer | October 2022 – September 2022**

**Project Overview:** Developed the Medicaid Management Information System (MMIS), a robust platform for managing member and provider eligibility. The project utilized a microservices architecture to streamline eligibility verification, enhance operational efficiency, and ensure compliance with healthcare standards like HIPAA, supporting real-time checks and third-party integrations.

**Key Responsibilities:**

* Gathered requirements for health claim adjudication processes, designing and developing tailored solutions to improve operational workflows by 20%.
* Utilized Spring Boot to design and implement RESTful microservices, emphasizing scalability and reliability for healthcare data processing.
* Developed business layer functionalities using **Core Java**, **Spring MVC**, **Spring Beans** with Dependency Injection, and multithreading, ensuring robustness and maintainability of application logic.
* Implemented **Spring Security** for comprehensive authentication, integrating **OAuth2** and **JWT** mechanisms to secure user access and protect sensitive resources.
* Built and optimized RESTful APIs with Spring Boot and **OracleDB**, leveraging **JPA/Hibernate** to achieve 25% faster data retrieval through indexing and caching strategies.
* Designed and managed Oracle database schemas, writing **PL/SQL** stored procedures and optimizing **SQL** queries to enhance API responsiveness and support accessibility features like screen reader-friendly error messaging.
* Integrated **Azure Boards** with **GitHub** and **Azure Repos**, automating commit and pull request linking to work items for enhanced traceability across development phases.
* Managed Java project source code in Azure Repos, enforcing branching strategies, code reviews, and pull requests to maintain high code quality and collaboration standards.
* Automated **CI/CD pipelines** with **Azure Pipelines**, incorporating build, test, and deployment stages to streamline development workflows and reduce manual overhead.
* Ensured WCAG 2.0/2.1 compliance in Spring Boot web applications, enhancing accessibility for users with disabilities per ADA and Section 508 regulations.
* Integrated **Redis** with Spring Boot for **caching** frequently accessed data, reducing database query response times by up to 70%, and managing user sessions for improved authentication performance.
* Configured **AWS services like Cloudwatch** for logs monitoring , **Amazon S3** for secure data storage and retrieval, designing bucket policies, lifecycle management, and cross-region replication for efficient operations.
* Developed **RESTful APIs** with **AWS API Gateway** and Java-based **Lambda functions**, providing secure, scalable endpoints for third-party healthcare integrations.
* Implemented **Kafka** producers and consumers to enable seamless data flow between **batch jobs** and microservices, enhancing real time data processing capabilities.
* Applied **Test-Driven Development (TDD)** with JUnit and Mockito, **Event-Driven Development (EDD)** with Kafka, and **Behavior-Driven Development (BDD)** to ensure code reliability and functionality.
* Utilized **Apache Camel ESB** and **CXF** within **JBoss Fuse** to integrate **SOA** services, ensuring robust and efficient communication with external healthcare systems.
* Actively contributed to Agile/Scrum ceremonies (daily standups, sprint reviews, kickoffs), driving project alignment and delivering on sprint commitments.

**Environment:** Java 8, Java 11, Spring Boot, Spring Security, J2EE, Hibernate JPA, AWS (S3, DynamoDB, CloudWatch), Azure DevOps, Redis, Kafka, OracleDB, PostgreSQL, MongoDB, Apache Camel ESB, JBoss Fuse, Eclipse, Postman, SLF4J

**Kanshe Infotech/LongPing India, Hyderabad, India**

**Developer/Analyst | August 2014 – December 2020**

**Project Overview:** Delivered scalable microservices and RESTful APIs for enterprise clients across various domains, integrating cloud services (AWS, GCP) and middleware solutions to optimize legacy systems and support real-time data processing.

**Key Responsibilities:**

* Designed and developed microservices using Spring Boot and Spring Security, creating modular, scalable architectures to meet diverse client needs.
* Built service layer functionality with **Java 8** features, including **Lambdas**, **Streams**, and Collections, improving code efficiency and reducing processing times by 15%.
* Developed RESTful APIs with **Spring MVC** and **Hibernate**, integrating external systems for seamless data exchange and supporting client workflows.
* Configured **Kafka** for message streaming, setting up partitions, replication factors, and Spring Kafka API integrations for real-time data handling across applications.
* Created and optimized complex **PL/SQL** stored procedures, functions, and packages in **OracleDB**, reducing query execution times by up to 60% through indexing and optimization techniques.
* Analyzed SQL queries using execution plans, applying indexing and PL/SQL tuning to enhance database performance for high-volume enterprise applications.
* Designed and implemented middleware solutions with **IBM MQ** for message queuing and **IBM Integration Bus (IIB)** for **enterprise service bus (ESB)** integrations, ensuring reliable data flows.
* Developed REST APIs with structured **JSON/XML** responses and accessibility metadata, enabling compatibility with assistive technologies and improving frontend usability.
* Implemented server-side validation with detailed error messaging, enhancing usability for screen reader users and ensuring compliance with accessibility standards.
* Provided 24/7 on-call support for mission-critical Java applications, resolving **production incidents** within an average of 2 hours to maintain system uptime.
* Optimized Spring Boot microservices by tuning **SQL queries**, configuring **Tomcat** server settings, and resolving memory leaks, improving application stability by 20%.
* Configured AWS services like SNS, **SQS**, and **ElasticCache** for **asynchronous** messaging, caching, and performance optimization in cloud native environments.
* Built **ETL pipelines** with **AWS Glue** to process and transform large datasets, ensuring seamless backend data operations for client reporting needs.
* Integrated **GCP** services, including **BigQuery** for analytics, Cloud Storage for data archiving, and **Pub/Sub** for event driven processing, enhancing real time capabilities.
* Collaborated in Agile teams, leveraging **Git** and **Bitbucket** for version control, delivering sprint goals, and maintaining code quality through peer reviews.

**Environment:** Java 8, Spring Boot, Spring Security, J2EE, Kafka, AWS (SNS, SQS, Glue), GCP (BigQuery, Cloud Storage, Pub/Sub), OracleDB, MongoDB, IBM MQ, IIB, Tomcat, IntelliJ IDEA, JUnit, SLF4J

**EDUCATION:**

* **Masters in Information Technology** | Graduated 2022 University of the Cumberlands, Williamsburg, Kentucky
* **Bachelors in Electronics and Communication Engineering** | Graduated 2014 Aware Madhavanji College of Engineering and Technology, Hyderabad, India