Anoop Repaka

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Professional Summary:

- Nearly 8 years of comprehensive experience across all stages of the Software Development Life Cycle (SDLC), with a strong focus on **Java/J2EE** technologies, and a proven track record in various industries, including Finance, Banking, Healthcare, and Retail.
- Proficient in Java technologies including Core Java SE 8 features like **Generics**, **Streams**, **Lambda expressions**, **Collection API**, and **Exception Handling**.
- Skilled in utilizing various Spring frameworks such as **Spring MVC**, **Spring IOC**, **Spring REST**, **Spring AOP**, **Spring Data**, **Spring DAO**, **Spring Batch**, **Spring Security**, and **Spring Boot**.
- Experienced in creating scalable **RESTful APIs** and **microservices** using Spring Boot, Spring MVC, and Hibernate for data persistence, ensuring high-performance systems.
- Developed microservices architecture using Spring Boot, leveraging its features like dependency injection, configuration management, and used both Synchronous and Asynchronous Communication for communication.
- Strong expertise in JavaScript frameworks like **ReactJS, Angular**, and **NodeJS**, developing interactive user interfaces with **Redux**, **Flux**, and **React Router** for state management and navigation.
- In-depth experience with relational databases such as **MySQL**, **PostgreSQL**, **Oracle**, and **NoSQL** databases like **MongoDB** and **Cassandra**.
- Skilled in utilizing **Hibernate** for complex data relationships and batch processing, ensuring high scalability and performance for large-scale applications.
- Expertise in **AWS** cloud services (EC2, S3, RDS, Lambda, ECS, EKS) and infrastructure automation using Terraform and CloudFormation, supporting CI/CD pipelines with **Jenkins** and **Docker**.
- Additionally, skilled in working with cloud platforms such as **Google Cloud Platform** (GCP)
- Extensive use of **Kafka** for real-time data streaming and asynchronous communication, ensuring seamless data integration and processing between microservices.
- Strong experience with ReactJS for building dynamic and responsive front-end components using Hooks, JSX, props, state management, and context API.
- Implemented complex queries using Hibernates Criteria API, allowing for advanced data retrieval and manipulation capabilities.
- Skilled in **Test-Driven Development** (TDD), writing unit tests with **JUnit** and **Jest** for ensuring the stability and reliability of both back-end services and front-end applications.
- Experience with **Agile** methodologies, participating in daily scrum meetings, sprint planning, and delivering high-quality software within time constraints.
- Proficient in version control tools like **Git**, **SVN**, and build automation tools like **Maven** and **Gradle** for effective project management and continuous integration.
- Experience in monitoring and logging with tools like **AWS CloudWatch**, **Log4J**, and **Splunk** to ensure application reliability in production environments.
- Proven ability to work independently and as part of cross-functional teams, leading and contributing to the successful completion of critical software projects.
- Strong knowledge in **problem-solving** and **data structures**, optimizing **algorithms** for high-performance software solutions.

Technical Skills:

Languages	C, Python, Java, Kotlin
Java Technologies	JDBC, Servlets, JSP
Java Frameworks	Spring, Spring Boot, Spring MVC, Spring Data, Spring Security, Spring Rest

Web Technologies	HTML5, CSS3, JavaScript, AJAX, Bootstrap.
Web Frameworks	Angular, React.js, Express.js
Open Source	JUNIT, log4j, GIT, CVS, SVN.
Operating Systems	Windows, UNIX, LINUX
Cloud	AWS, GCP, AZURE
Databases	Oracle, SQL Server, My-SQL, MongoDB, Cassandra, IBM Db2
CI/CD Tools	Jenkins, Gitlab, AWS Code Pipeline, Azure DevOps, Maven, Gradle
Containerization Tool	Docker, AWS Fargate
Orchestration Tools	Kubernetes, AWS ECS, AWS EKS.
Certifications	AWS Certified Solutions Architect-Associate, AWS Certified Cloud Practitioner, Microsoft Certified Azure Platform Developer Associate Microsoft Certified Azure Fundamentals

Professional Experience:

Client: NextGen, Atlanta, GA, USA **September 2022 - Present Role: Sr. Full stack Developer**

Project Description:
I contributed to the development of a comprehensive healthcare management platform aimed at enhancing patient care, clinical workflows, and data integration across healthcare facilities. This platform is designed to streamline Electronic Health Record (EHR) systems, billing management, and patient communication while ensuring compliance with healthcare regulations and data security standards (HIPAA). The system is highly scalable and supports real-time data access, making it possible for healthcare providers to deliver efficient, informed care.

Responsibilities:

- Developed multi-tier J2EE applications using **Spring Boot** and **Spring Data JPA** for EHR modules, streamlining patient data management and billing processes.
- Integrated **ReactJS** with **Microservices architecture**, ensuring cross-browser compatibility and seamless user experience on healthcare portals.
- Built intuitive front-end components for patient and provider dashboards using **React Hooks** and **Redux**, improving real-time communication and data visualization.
- Developed RESTful APIs in **Kotlin** and **Java** with **Spring Boot**, enabling secure data exchange between EHR systems and third-party applications like insurance billing.
- Converted legacy Java microservices into **Kotlin** for improved code readability and performance across medical record management.
- Utilized **Postman** to design, document, and test APIs, ensuring consistent data flow across healthcare systems and integration with external partners (insurance, labs).
- Managed large datasets related to patient records using **Cassandra**, ensuring scalability and real-time access to healthcare data.
- Implemented **Kafka** for handling real-time data streams, ensuring timely updates to patient records, scheduling, and treatment plans.
- Configured **Hibernate** for batch processing to handle bulk patient data operations, reducing system latency and improving performance in high-traffic periods.
- Ensured compliance with healthcare regulations by implementing secure authentication and authorization mechanisms using **Spring Security** and **OAuth** protocols.

- Implemented role-based access control across the platform, ensuring that sensitive patient information was only accessible to authorized personnel.
- Deployed services using **AWS ECS** and **EKS** for scalable containerized applications, improving the performance and reliability of the healthcare platform.
- Integrated **Docker** and **Kubernetes** into the **CI/CD pipeline**, automating the deployment and testing of healthcare applications while maintaining HIPAA compliance.
- Managed database systems with **AWS RDS**, ensuring high availability and fault tolerance for critical healthcare data.
- Leveraged **Spring Boot Actuator** for monitoring and managing the application in a production environment, providing insights into system health and performance.
- Adopted **Test Driven Development (TDD)**, writing **JUnit** test cases to ensure the reliability of healthcare services and patient management modules.
- Utilized **Jest** for front-end testing, ensuring the responsiveness and reliability of healthcare user interfaces.

Environment: Java, RESTful Web Services, Micro Services, React, Spring Data JPA , Spring Core, Spring MVC, Spring Batch, Spring Boot, Kafka, Linux, Cassandra, Kotlin, Maven, Jenkins, GIT, Python, Splunk, JUNIT, JSON, Docker, EKS, AWS, Postman.

Client: Western Union, Austin, TX, USA. **December 2020 – August 2022**

Role: Full Stack Developer

Project Description

I was part of the settlements team at Western Union, a financial services company, where I contributed to the development of their Global Transaction platform. This cutting-edge platform was created to improve the speed, reliability, and security of money transfers across Western Union bank accounts worldwide. My focus was on ensuring accurate and timely settlements for various financial transactions, such as ACH transfers, overdrafts, bill payments, and instant funding. The system was designed to accommodate user preferences for both speed and cost-effectiveness, enhancing the customer experience while ensuring compliance with financial regulations.

Responsibilities:

- Developed and maintained secure, high-performance Java applications using **Spring Boot** for Western Union Bank, ensuring robust and reliable software solutions.
- Led the design and development of a comprehensive banking application utilizing the **Hibernate** framework, optimizing data persistence, retrieval, and complex relational modeling with **IBM DB2** as the backend database.
- Architected and implemented infrastructure as code using **AWS CloudFormation** and Terraform, automating the provisioning and scaling of AWS resources.
- Developed **batch processing** systems for automated account reconciliation, reducing manual effort by 40% and streamlining operations.
- Integrated **Elasticsearch** into the banking tech stack for real-time data synchronization and seamless updates across applications.
- Spearheaded efforts to identify and automate recurring issues, enhancing operational stability and reducing system downtime.
- Utilized **Amazon SQS** for real-time processing, enabling efficient message queuing and enhancing the responsiveness of transaction workflows.
- Championed technology communities of practice, fostering innovation and the adoption of cutting-edge software engineering tools and practices, including **microservices** and **design patterns.**
- Leveraged Java libraries for complex data manipulation, cleaning, and analysis, contributing to data-driven strategies and insights.

- Ensured strict adherence to Java coding standards and industry best practices, specifically tailored to high-stakes banking applications like using **SonarQube** and integrated this tools into the **CI/CD** pipeline to ensure all the code is analyzed before merging to the main branch in **GIT**.
- Written unit test using **JUnit** framework for unit and integration testing.
- Maintained thorough **documentation** of the code including API specifications and architectural decisions to promote understanding and adherence to the standards.
- Led cross-functional teams through the full software development lifecycle, from design and development to deployment, delivering multiple software products on time.

Environment: Spring, Spring Boot, React, Spring Data JPA, SonarQube, Java, Spring MVC, Kafka, Agile Methodology, JIRA, GIT, Docker, AWS(Lambda, SQS, SNS, S3,Cloud Formation) , Linux, Cassandra, Kotlin, JUnit, Gradle, Splunk, IntelliJ, Maven.

Client: Nordstrom, Seattle, WA, USA. **December 2018 - November 2020**

Role: Software Developer

Project Description: As a Java Developer at Nordstrom Technology, I was part of a collaborative team tasked with enhancing the online shopping experience by developing a seamless and efficient checkout process. This project involved integrating multiple services, such as payment gateways, inventory management, and order processing systems, to create a cohesive user journey. We focused on enabling real-time updates to ensure customers received instant feedback on their orders and cart status, which significantly improved user engagement. Additionally, our team implemented solutions that allowed the application to scale effectively during peak shopping seasons, ensuring reliable performance even with increased traffic. Together, we aimed to provide a frictionless shopping experience that not only met but exceeded customer expectations.

Responsibilities:

- Designed and developed a RESTful API using **Java 11** and **Spring Boot** to facilitate communication between the front-end and back-end services. This API handled requests such as retrieving product details, processing payments, and managing user carts.
- The API adhered to REST principles, ensuring stateless communication and leveraging HTTP methods effectively for CRUD operations.
- To improve performance and user experience, I implemented **Apache Kafka** for asynchronous communication between microservices. This decoupled our services, allowing them to operate independently and handle spikes in traffic without performance degradation.
- For instance, when a user completed a purchase, the API published a message to Kafka that triggered various downstream services (e.g., inventory updates, order processing) asynchronously. This ensured that the user received immediate feedback while the system processed their order in the background.
- Utilizing **Hibernate** for ORM, I created mapping files based on business logic and object relationships, facilitating efficient data management.
- I employed **Java 8** features such as Streams and Lambda expressions to perform operations like filtering and mapping on collections of data, enhancing code readability and performance.
- Collaborating with the front-end team, I ensured that the **React JS** components consumed the REST API effectively. The components displayed real-time updates for the shopping cart and order status, improving the user interface and experience.
- By implementing state management using the **Flux architecture**, I ensured that our application handled data flow predictably, which was critical for features like real-time cart updates.
- To manage deployment and scalability, I utilized **AWS ECS (Elastic Container Service)** to orchestrate Docker containers, ensuring our services were efficiently deployed and maintained.
- I also implemented **AWS Lambda** functions for serverless processing of tasks like sending confirmation emails or updating analytics, further enhancing system efficiency.
- Configuring **AWS CloudWatch** allowed me to monitor system health and performance in real time. I set up alarms for key metrics to proactively address any issues, ensuring a reliable shopping experience for our users.
- I managed **AWS IAM** roles to enforce strict access controls, ensuring that only authorized services could communicate with each other and access sensitive data.

Environment: Java 11, RESTful Web Services, React, Kafka, Hibernate, Spring Batch, Spring, Spring MVC, Spring transaction, Spring Security, AWS(ECS, Lambda, CloudWatch, IAM).

Client: DataDot Software Solutions, Hyderabad, India. June 2017– November 2018

Role: Java Developer

Project Description:

Spearheaded the development and maintenance of dynamic web applications using Java, Spring Boot, and AngularJS, collaborating closely on feature design and implementation. Engineered a high-performance ticketing system and an employee task management portal, driving efficiency through Agile methodologies, rigorous unit testing, and swift bug resolution. Leveraged Java 1.8 to enhance system performance, developed scalable microservices, and integrated RESTful APIs for seamless functionality. Streamlined workflows via CI/CD pipelines, managed the codebase using Git, and employed Docker for efficient containerization. Led performance testing with Apache JMeter, ensuring system reliability while aligning business objectives with technical execution through cross-team collaboration.

Responsibilities:

- Contributed to the development and maintenance of robust web applications using **Java**, **Spring Boot**, and **AngularJS**.
- Collaborated with cross-functional teams to design and implement new features, ensuring seamless integration with existing systems.
- Developed a **responsive ticketing system** to efficiently manage and organize user inquiries related to company products.
- Played a key role in creating an **employee portal**, delivering features such as weekly agendas, to-do lists, and messaging systems, enhancing internal communication.
- Conducted **unit testing** and **bug fixing** to ensure high-quality application functionality, adhering to **Agile** development methodologies.
- Developed **RESTful APIs** for seamless communication between system components.
- Managed the codebase using **Git** for version control, ensuring clean and efficient collaboration.
- Leveraged **Java 1.8** features to enhance application performance and code efficiency.
- Implemented **CI/CD pipelines** to automate build, testing, and deployment processes, significantly improving development workflows.
- Conducted **performance testing** and optimization to boost system responsiveness and efficiency.
- Worked closely with frontend teams and stakeholders to align technical solutions with business objectives, ensuring impactful project outcomes.
- Designed and implemented **APIs** for user ticket data handling, optimizing server and frontend interactions in the ticketing system.
- Managed cloud resources using **Azure Blob Storage** for secure data backup and archival.
- Participated in **Azure** training sessions to improve cloud service implementation and adherence to best practices.
- Ensured optimized database design and efficient data retrieval in the Employee Portal using **Hibernate**.
- Utilized **Azure DevOps** for issue tracking and project management, maintaining transparency and efficiency across projects.
- Contributed to the adoption of **microservices architecture**, breaking down complex systems into independent, scalable components.
- Applied **Java 1.8** features to streamline the performance of microservices, improving backend operations and maintainability.
- Employed **Mockito** and **JUnit** for rigorous unit and integration testing, ensuring microservices' stability and reliability.
- Integrated **Docker** containerization, simplifying the development and deployment of microservices for greater portability.

Environment: Java, Spring Core, Spring, Hibernate, RESTful Web Services, Docker, JUnit, Oracle, GIT, RESTful APIs, Azure (Blob Storage, DevOps), Microservices architecture, Mockito, JUnit, Agile methodologies .

Education:

Master's in computer science, Arizona State University, Tempe, Arizona
Bachelor's in computer science, JNTUH, Hyderabad, India