**Priju Karki**

**Sr Full Stack Java Developer**

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**Professional Summary:**

* With more than 8+ years of IT experience, I am a skilled Java backend developer specializing in Java and Java EE frameworks and J2EE, with a strong background in the software development life cycle (SDLC).
* Experienced in the Spring Framework, including Spring Boot, Spring MVC, Spring Batch, Microservices and Spring Data, for developing applications.
* Experienced in deploying Java backend applications and utilizing CI/CD pipelines to automate the deployment process.
* Experienced JSON for data exchange between client and server in RESTful web services.
* Experienced at implementing MVC architecture using frameworks such as Spring and Struts to create scalable web applications.
* Proficient in Unix/Linux and Windows XP operating systems.
* Experienced DevOps practices to streamline development, deployment, and operations for faster and more reliable releases.
* Skilled in designing and implementing XML-based systems for configuration and data interchange.
* Experience implementing sorting algorithms (e.g., quicksort, mergesort) and searching algorithms (e.g., binary search).
* Experienced in Hibernate ORM for effective database management and smooth integration with Java applications.
* Proficient in database design, normalization, and optimization for relational databases, including MySQL, PostgreSQL, and Oracle.
* Experienced in deploying and managing applications on AWS utilizing services such as EC2, S3, EKS, and RDS.
* Proficient in automating infrastructure with AWS CloudFormation and monitoring using AWS CloudWatch, also used IAM, SNS, CloudFront, Lambda etc.
* Experienced the Integration of GraphQL with various backend services to optimize data fetching and reduce over-fetching.
* Experienced in using CI/CD tools like Jenkins, CircleCI and GitLab CI to automate build, test, and deployment processes.
* Experienced infrastructure as code (IaC) with Ansible for consistent and repeatable environments.
* Experienced the connection of Node.js applications to multiple databases, such as MongoDB and MySQL, for effective data management.
* Experienced the configuration and managed Apache HTTP Server for hosting and serving web applications.
* Experienced infrastructure as code principles with Terraform to provision and manage cloud resources.
* Experienced project dependencies and build automation using Apache Maven for Java applications.
* Experienced with NoSQL databases like MongoDB and Cassandra for managing unstructured data.
* Skilled in TDD principles to write unit tests before code implementation, ensuring high code quality and coverage.

**Work Experience:**

**US Bank, Minneapolis, MN**

**Sr. Full Stack Java Developer Jan 2023–Present**

**Responsibilities:**

* Directed the development of an advanced financial management system in the U.S. Bank utilizing Java and the Spring Framework, developing a scalable platform that optimized transaction processing, account management, and customer support.
* Managed Java applications using AWS services including RDS, EC2, and S3 for large file storage.
* Implemented Scrum Agile methodology with 2-week Sprint cycles for improved project efficiency.
* Focused on well-defined and prioritized user stories to deliver high-quality features.
* Leveraged .NET’s built-in security features to enhance application security, protecting sensitive user data.
* Designed and implemented a scalable microservices architecture using Graph-QL for efficient data retrieval and manipulation.
* Integrated third-party services with Node.js, improving real-time data processing and efficiency in web applications.
* Designed scalable solutions utilizing Azure Blob Storage for efficient data storage and retrieval.
* Developed and integrated RESTful APIs for banking services, enhancing system compatibility.
* Optimized front-end performance with code splitting, lazy loading, and asset minification for faster load times.
* Led Scrum ceremonies including Daily Scrum, Sprint Reviews, Retrospectives, and planning sessions.
* Developed serverless Java applications with AWS Lambda for scalable event-driven tasks.
* Designed and implemented custom Elasticsearch queries for advanced search functionalities and analytics.
* Developed and maintained Python scripts for automation and data processing, streamlining workflows.
* Utilized Java8 features for developing enterprise applications, improving coding efficiency.
* Implemented lifecycle management policies in Blob Storage, optimizing cost and storage efficiency.
* Developed and optimized Graph-QL APIs to enhance query performance and reduce response times in Java-based applications.
* Conducted code reviews and provided mentorship to junior developers in C# best practices and design patterns.
* Created responsive web interfaces with modern JavaScript frameworks like React and Angular.
* Implemented complex SQL queries for efficient data retrieval and manipulation.
* Managed data ingestion from various sources into Databricks, ensuring data availability for analytics.
* Enhanced data processing with optimized PL/SQL procedures and functions in Oracle databases.
* Applied front-end validation and error handling using JavaScript libraries such as jQuery.
* Integrated Graph-QL with Java Spring Boot to build robust backend services, improving data handling and flexibility.
* Implemented authentication and authorization features in Node.js, ensuring secure user interactions with the system.
* Implemented unit testing frameworks in .NET applications to ensure code reliability and reduce bugs in production.
* Configured Kubernetes health checks and readiness probes for microservices availability.
* Utilized Graph-QL subscriptions to enable real-time data updates and improve user experience in Java applications.
* Configured AWS IAM roles and policies in Java applications for secure access to AWS resources.
* Integrated Python with Java applications using IPC or RESTful APIs for seamless data exchange.
* Built server-side applications with Node.js for asynchronous and scalable services.
* Integrated Hibernate with Spring Framework for streamlined data access and transactions.
* Developed microservices and standalone applications using Spring Boot.
* Used Java Persistence API (JPA) to map objects to relational databases, streamlining database integration and reducing code complexity.
* Developed secure access controls for Blob Storage, ensuring compliance with organizational data policies.
* Applied front-end build tools like Webpack and Babel for development workflows and browser support.
* Architected real-time data streaming solutions with Apache Kafka and developed scalable Node.js microservices.

**HMS, Irving, TX**

**Sr. Java Developer Sep 2020– Dec 2022**

**Responsibilities:**

* Directed the creation of a comprehensive healthcare management system at HMS using Java and the Spring Framework, developing a resilient solution that optimized patient care, appointment scheduling, and medical record management.
* Designed and implemented RESTful APIs to integrate seamlessly with third-party services, including electronic health records (EHR) systems and insurance providers, expanding system functionality and improving user experience.
* Integrated Databricks with Azure services for streamlined data workflows and enhanced operational efficiency.
* **Utilized Python frameworks such as Flask or Django** to build and deploy microservices that complement Java-based systems, enhancing overall application architecture and scalability.
* Implemented Scrum Agile methodologies with 3-week Sprint cycles at HMS for efficient healthcare solutions.
* Focused on prioritized user stories to enhance project efficiency and deliver high-quality solutions.
* Integrated React applications with RESTful APIs for seamless front-end and back-end data exchange.
* Automated deployment processes using Azure DevOps with .NET applications, reducing deployment time by 40%.
* Designed and optimized complex SQL queries to improve database performance in Java-based applications.
* Managed S3 bucket configurations and lifecycle policies through Java for optimized storage and cost reduction.
* Created Dockerfiles to automate Docker image building for Java projects.
* Developed and maintained ETL processes in ADF, ensuring data integrity and timely updates in data lakes.
* Collaborated with data scientists to implement machine learning models on Databricks, facilitating predictive analytics.
* Utilized Node.js frameworks (Express.js, Koa.js) to create robust backend services for seamless data communication.
* Integrated Blob Storage with Azure Functions for event-driven data processing and real-time analytics.
* Utilized Domain Driven Design (DDD) patterns such as Bounded Contexts and Event Sourcing to enhance modularity and performance.
* Optimized existing C# codebases, resulting in a 25% reduction in runtime errors and increased application stability.
* Developed and maintained database schemas, stored procedures, and triggers to enhance the data structure in Java applications.
* Utilized Python libraries like Pandas and NumPy for data analysis, producing actionable insights for stakeholders.
* Implemented Java8’s new date and time API for more effective date manipulation and formatting.
* Integrated Elasticsearch with Java applications for real-time search capabilities and enhanced user experience.
* Implemented security measures on Linux servers, including firewall configuration and user access controls.
* Integrated front-end components with Java back-end services using RESTful APIs and AJAX for dynamic web interactions.
* Collaborated with cross-functional teams to design and deploy microservices architecture using C# and .NET Core.
* Collaborated with product managers to define application requirements and translate them into .NET solutions.
* Configured ADF pipelines to integrate with various data sources, optimizing data ingestion and processing.
* Conducted training sessions for team members on using Databricks for data engineering tasks.
* Executed data migration strategies for seamless transitions between Oracle database versions and other systems.
* Incorporated Domain Driven Design (DDD) concepts like CQRS to separate read and write operations.
* Applied code quality checks using SonarQube and Checkstyle in the CI/CD pipeline.
* Integrated third-party services with Node.js, improving real-time data processing and efficiency in web applications.
* Integrated MySQL and PostgreSQL databases with Java applications, ensuring reliable and optimized data management.
* Utilized Entity Framework in C# projects for efficient database operations and data manipulation.
* Integrated Node.js with databases such as MongoDB, PostgreSQL, and MySQL for effective data management.
* Prepared Spring Boot applications for Docker containerization and orchestrated microservices deployments with Kubernetes.
* Designed responsive layouts with React and CSS-in-JS solutions for consistent user experiences.

**Hayden Data Systems, Chattanooga, Tennessee**

**Java Developer April 2018– Aug 2020**

**Responsibilities:**

* Created a healthcare management platform at Hayden Data Systems using Java and Spring, enhancing patient care, streamlining appointment management, and refining medical record handling.
* Conducted Daily Scrum meetings, Sprint Reviews, Retrospectives, and planning sessions with the Product Owner and Scrum Master to drive effective project execution and ongoing improvements.
* Developed robust back-end services using C# and .NET, enhancing application performance by 30%.
* Developed and integrated RESTful APIs with EHR systems and insurance providers to enhance system capabilities.
* Collaborated with data engineers to design data transformation processes using ADF’s mapping data flows.
* Refactored legacy code to Java8, incorporating functional programming concepts to improve readability and maintainability.
* Integrated third-party services and APIs within .NET applications to extend functionality and improve user experience.
* Designed and executed unit and integration tests for Python components, ensuring high code quality and consistency with Java-based strategies.
* Optimized user experience through API integration with healthcare and insurance systems.
* Maintained and tested React components using Jest and React Testing Library for robust front-end performance.
* Built GraphQL APIs in Java to support flexible and efficient data querying.
* Developed and optimized Spark jobs in Databricks, improving data processing speed by 40%.
* Automated routine database maintenance tasks using Oracle Scheduler and custom scripts, reducing downtime.
* Leveraged Kubernetes for orchestrating containerized Java applications within CI/CD workflows.
* Integrated Spring Boot with relational databases via Spring Data JPA and Hibernate for efficient data handling.
* Automated EC2 instance provisioning and scaling using Java-based scripts and AWS SDK for enhanced cloud management.
* Utilized HTML5 and CSS3 to build and style user interfaces, ensuring modern browser compatibility and best practices.
* Implemented automated testing for Node.js applications using Mocha, Chai, and Jest for reliable service functionality.
* Contributed to open-source Python projects, enhancing community collaboration and knowledge sharing.
* Managed Linux server environments for Java application deployment, optimizing system resources for peak performance.
* Conducted cross-browser testing and debugging to ensure consistent front-end component behavior across different devices and browsers.
* Integrated RESTful APIs in C# to streamline data exchange between front-end and back-end systems.
* Integrated monitoring and alerting tools into CI/CD pipelines for effective deployment and performance tracking.
* Created RESTful web services with Java8, leveraging new features to streamline and simplify the development process.

**Nationwide, Columbus, Ohio**

**Java Developer Jan 2017– March 2018**

**Responsibilities:**

* Directed the development of an advanced insurance claims processing system at Nationwide using Java and Spring Boot, significantly boosting efficiency and accuracy in claims management.
* Employed Hibernate for object-relational mapping and integrated with Oracle databases to ensure robust data persistence and effective data retrieval.
* Managed a diverse team of developers, facilitating Agile Scrum practices like Daily Scrums, Sprint Reviews, and Retrospectives to ensure timely project delivery.
* Built Progressive Web Apps (PWAs) with React to provide a native-like experience and offline functionality.
* Participated in code reviews and guided junior developers on J2EE best practices and standards for enterprise application development.
* Designed RESTful APIs in Python using Flask, enabling seamless integration with various front-end applications.
* Set up CloudWatch dashboards in Java applications to visualize critical metrics and logs for real-time monitoring and issue resolution.
* Developed single-page applications (SPAs) using JavaScript frameworks and libraries for smooth navigation and dynamic user experiences.
* Conducted performance profiling and tuning of .NET applications, leading to a 20% increase in efficiency.
* Applied Java8 features such as method references and optional classes to handle null safety and reduce NullPointerExceptions.
* Utilized Git for version control to manage front-end codebase changes, ensuring efficient collaboration with the back-end development team.
* Integrated Kafka with Java frameworks to build scalable, event-driven applications.
* Developed serverless functions and services with Node.js on platforms like AWS Lambda and Google Cloud Functions.
* Implemented dependency injection patterns in C# applications, improving code maintainability and testing efficiency.
* Leveraged Databricks for big data processing, enhancing data analysis capabilities across multiple projects.
* Created RESTful APIs for CRUD operations and data retrieval from NoSQL databases.
* Configured Docker registries like Docker Hub and private registries for storing and distributing Docker images.
* Implemented complex SQL queries using joins, subqueries, and nested queries to support sophisticated data retrieval needs.
* Used Kubernetes StatefulSets to manage stateful applications and ensure data persistence.
* Leveraged Spring Boot for rapid microservices development and deployment with embedded server capabilities.

**Education: Master’s from Amberton University, 2017**