**Jitendra Poudel**

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**Java Full Stack Developer**

**Summary:**

Experienced Java Full Stack Developer with 6 years of experience in the design, development, and deployment of web-based applications. Extensive experience in Object-Oriented Programming, Java/J2EE technologies, RESTful and SOAP-based web services, and microservices architecture. Proficient in utilizing frameworks such as Spring MVC, Spring Boot, Hibernate, and JMS for building scalable, high-performance applications. Expertise in database design and management, including writing complex SQL queries, stored procedures, and optimizing database performance for relational databases such as PostgreSQL, MySQL, and Oracle. In addition, skilled in developing and maintaining complex software systems across various industries, with a strong background in cloud technologies. Expertise in Agile development practices, version control tools, and CI/CD pipelines for continuous development.

**Professional Summary:**

* 6 years of experience in developing, maintaining and optimizing web applications, utilizing core Java, J2EE technologies, and web services (SOAP, RESTful).
* Proficient in using Spring and its modules, including Dependency Injection, AOP, Spring MVC, transaction management, IOC, DAO, Web Flow, Security, Spring Boot, and Hibernate as the persistence layer.
* Hands-on experience with HTML5, CSS3, Bootstrap, JavaScript, JSON, AJAX, JSP, JSP Tag libraries, Servlets, React.js and Angular 4.0 for building dynamic and responsive user interfaces.
* Certified SAFe 5 Practitioner, skilled in Agile Scrum methodologies for continuous integration of projects.
* Experienced with testing experience using JUnit, Mockito, Selenium and Cucumber.
* Experienced in RESTful API development, microservices architecture, and messaging systems like Apache Kafka and Apache Pulsar.
* Hands-on experience with AWS cloud and Snowflake services (EC2, S3, EBS, CloudWatch, Load Balancer) for scalable deployments and migration
* Skilled in CI/CD pipelines using Jenkins, Bamboo, Maven, Gradle, and version control systems like Git and SVN.
* Expertise in Linux environments.
* Experienced with logging frameworks (SLF4J, Log4j, Log back), and monitoring via Splunk.
* Strong analytical and problem-solving skills, with a focus on design patterns (Singleton, Factory, MVC, DAO, DTO) for maintainable applications.

**Technical Skills:**

* **Programming Languages**: Java, JavaScript, TypeScript, C++, jQuery, Angular
* **Frameworks:** Spring Boot, Spring MVC, Spring DAO, ORM, Hibernate, Struts, AngularJS, J2EE Design Patterns, Maven, Gradle, node.js, Express.js, React.js
* **IDEs:** IntelliJ IDEA, Eclipse, Rational Application Developer, Visual Studio
* **Databases:** Oracle, SQL Server, PostgreSQL, H2, MongoDB, Cassandra, Hadoop, Scala
* **Cloud Platforms:** AWS, Google Cloud Platform (GCP), Azure, Snowflake
* **DevOps And CI/CD Tools:** Jenkins, Bamboo, Maven, Ant, Docker, Kubernetes
* **Testing Frameworks:** JUnit, TestNG, Mockito, Selenium, Cucumber
* **Web Services:** SOAP, RESTful APIs
* **Server:** Web Logic 10, IBM Web Sphere, Apache Tomcat
* **Version Control:** Git, SVN, Bitbucket
* **Logging Stack:** Log4J, SLF4J, Logback

**Professional Experiences:**

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**Charles Schwab, Westlake, TX April 2023 – Present**

**Java Software Engineer**

**Description:**

The project aimed to enhance Java-based batch processing systems to improve data aggregation, reporting, and transformation using Spring Batch. It involved enhancing the application and developing RESTful APIs, providing several features to customers such as Employee Stock Purchase Plan, processing details, sending details to clients, data migration, etc.

**Responsibilities:**

* Designed and developed enterprise applications using Java, J2EE, Spring, Hibernate, and jQuery, ensuring alignment with Agile methodologies throughout requirement gathering, analysis, and coding phases.
* Worked extensively with Spring Boot, Hibernate, and microservices architecture, building and maintaining scalable and highly available applications, with additional use of Node.js to enhance backend modularity and performance.
* Implemented design patterns like DAO, Singleton, and Factory for cleaner, maintainable code.
* Utilized Java 8 features such as Streams, Lambda Expressions, and Functional Interfaces to improve code efficiency and readability.
* Created and consumed RESTful APIs for centralized logic and reusable data retrieval, integrating seamlessly across multiple platforms.
* Implemented Apache Kafka to ensure reliable messaging and enable asynchronous communication between distributed systems, improving scalability and data processing efficiency.
* Wrote SQL stored procedures, and analytical functions focusing on application performance and query efficiency.
* Developed and maintained SSIS packages for data extraction, transformation, and loading (ETL) processes to ensure efficient data migration and integration.
* Implemented front-end code using JSP and Spring Framework, enhancing user experience with responsive design using Angular 4, HTML5, CSS3, JavaScript
* Integrated Python scripts with Safeguard REST API and implemented secure credential management in Java applications.
* Refactored legacy applications into a modular microservices architecture, enhancing scalability and maintainability.
* Deployed Java-based applications on Pivotal Cloud Foundry (PCF), streamlining deployment pipelines and cloud operations.
* Configured Log4j for Splunk HEC integration, enabling real-time monitoring and reducing troubleshooting time.
* Utilized multithreading to enhance application performance by enabling parallel processing of database operations, thus avoiding bottlenecks associated with single Hibernate sessions.
* Utilized Jira, Confluence, Bitbucket, Control-M, Selenium, PuTTY, and WinSCP for project management, automation, and deployment.
* Used Bamboo for continuous integration and continuous delivery of applications.

**Environments**:Java 1.8/17, Spring Boot, Application Server, IntelliJ IDEA, Hibernate, Bitbucket, Jira, JavaScript, Angular, Design Pattern, jQuery, microservices, Bruno, SQL, JDBC, UML, JUnit, web services, Log4J, MongoDB**,** Maven, SQL Developer, Putty, WinSCP, Agile methodology

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**General Motors, Roswell, GA February 2021 to April 2023**

**Java Full Stack Developer**

**Description:**

The Project aimed to design, develop and implement Enterprise Microservices for General Motors, ensuring efficient system integration and centralized logic for reusable Application using Spring boot, Spring Cloud, Apache Kafka, Docker and Kubernetes to support manufacturing and real time notification to service providers and customers.

**Responsibilities:**

* Developed and deployed Microservices using Spring Boot, Spring Cloud, and Node.js, enhancing application scalability, availability, and maintainability through a modular framework.
* Designed and implemented RESTful APIs for centralized logic and reusable data retrieval using Spring Data JPA for CRUD operations, while leveraging Swagger Codegen for efficient API development and comprehensive documentation.
* Engaged in identifying and remediating software opportunities related to code quality, security and development.
* Functionally applied Java 8 features like Lambda expressions, Stream API, and Functional interfaces to optimize coding practices and enhance performance.
* Integrated Hibernate ORM with Spring Framework, ensuring efficient data persistence and seamless database table mapping.
* Leveraged design patterns such as DAO, Singleton, and Factory to maintain scalable, maintainable, and high-performance applications.
* Wrote complex SQL queries and stored procedures for Oracle 11c, improving data retrieval efficiency.
* Implemented Big Data processing using Hadoop, developed Spark jobs for data ingestion and persistence, and integrated Spring with Elasticsearch for efficient data retrieval.
* Implemented OAuth2 authentication using Spring Security to secure application access and enforce robust authorization measures.
* Utilized HashiCorp Vault to safeguard sensitive information, ensuring secure storage and access management.
* Utilized Apache Kafka to establish reliable messaging and asynchronous communication, enhancing scalability and optimizing data processing across distributed systems.
* Designed and deployed scalable Java-based applications on AWS, leveraging services like EC2, S3, RDS, and Lambda to optimize performance, storage, and cost-efficiency in cloud environments.
* Leveraged service registry solutions such as Eureka and Consul to implement dynamic service discovery, enabling seamless communication between microservices and enhancing the scalability and fault tolerance of distributed Java-based applications.
* Utilized Spring Profiles to handle environment-specific configurations, ensuring smooth application deployment across development, testing, and production environments.
* Implemented Cucumber as BDD framework to validate that the application meets specified behaviors and user expectations.
* Contributed to the development of responsive and dynamic front-end components with React.js, ensuring seamless integration with Java-based RESTful APIs for full-stack web applications.
* Executed Unix commands for file manipulation, process management, and system monitoring, optimizing efficiency in a Unix-based environment.
* Worked on Agile methodologies, ensuring continuous integration with Jenkins, version control with GitLab, and code quality monitoring with SonarQube and Kanban project management.

**Environment:** Java 1.8/11, Spring Boot, Microservices, Postman, React.js, Maven, jQuery, Linux, Junit, Test NG, Cucumber, WebLogic 12.1.3, Hibernate, Bitbucket, Pivotal Cloud Foundry (PCF) and Kubernetes, Log4J and Kibana

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**NCR, Atlanta, GA October 2019 – January 2021**

**Java Developer**

**Description:** The project was focused on developing high-quality software solutions for NCR Retail Loyalty Program and Promotion, a critical component of NCR's self-serve retail strategy. In addition to this, enhancing payment system stability, resilience, and security through efficient coding practices, robust DevOps methodologies, and collaboration with cross-functional teams.

**Responsibilities:**

* Collaborated with project stakeholders to define technical and product requirements, ensuring seamless integration and alignment with project goals.
* Designed and developed high-performance, scalable RESTful APIs using Spring Boot, deploying microservices on the Google Cloud Platform (GCP).
* Implemented database persistence for RESTful APIs, utilizing PostgreSQL and Oracle for data storage and management.
* Integrated Spring with Elasticsearch for efficient data indexing, retrieval, and analytical operations.
* Conducted API performance testing and optimization using the Gatling Framework to ensure reliability under load.
* Secured APIs with OAuth2-based authentication and authorization, leveraging Spring Security to enforce robust access control.
* Authored Behavior-Driven Development (BDD) tests for RESTful APIs using Gherkin, improving test clarity and collaboration.
* Produced detailed API documentation with Swagger UI to enhance developer usability and compliance with Swagger standards.
* Performed API testing and validation using Postman, ensuring adherence to functional requirements.
* Engineered thread-safe application components with Java Collections to support multithreaded database operations and ensure concurrency.
* Leveraged Git for version control to streamline collaborative development processes and maintain codebase integrity.
* Conducted code coverage analysis with Clover to ensure code quality and adherence to best practices.
* Integrated Jenkins into the development pipeline to enable Continuous Integration and Continuous Delivery (CI/CD), enhancing deployment efficiency.
* Utilized Object-Oriented JavaScript design patterns and MVC architectures, with expertise in frameworks like Angular, for dynamic front-end development.
* Provided on-call production support, proactively resolving critical issues and collaborating with cross-functional teams for rapid resolution.

**Environments:** Java 1.8, Spring Boot, Spring MVC, Microservices, Maven, Postman, WinSCP, Unix, GIT, HTML5, Jenkins, JSP XML, Linux, Clover, Junit, Mockito, BDD, Cucumber, Apache Tomcat, Hibernate, PostgreSQL

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**FedEx, Irving, TX December 2018 – October 2019**

**Java Developer**

**Description:** The project involved designed and development Application for Logistics & Courier Management Services, which provides several features for customers such as real-time shipment tracking, order management & customer notifications, improving system responsiveness and integration with third-party services.

**Responsibilities:**

* Developed and deployed microservices using Spring Boot and Docker, ensuring modularity and easy scalability of the application
* Deployed and monitored Microservices on Pivotal Cloud Foundry (PCF), managing domains and routes effectively
* Implemented RESTful APIs for real-time shipment tracking, order management, and customer notifications, improving system responsiveness and integration with third-party services.
* Utilized Hibernate ORM with Spring Framework for robust data persistence, leveraging HQL for efficient POJO mapping and database transactions in Oracle and H2.
* Created Swagger UI documentation for APIs, conducted testing using Postman, and managed dependencies with Maven and Nexus.
* Implemented OAuth2 authentication using Spring Security to ensure data privacy and system security
* Conducted unit testing with JUnit and Mockito, ensuring high code quality and reliability before deployment.
* Implemented CI/CD pipelines using Jenkins, Maven, Docker, and Kubernetes, ensuring efficient deployments.
* Experienced in managing code repositories using Git version control.
* Utilized MongoDB for specialized search systems.
* Used Eclipse IDE for application development.
* Deployed applications on WebLogic Server, ensuring optimized execution and maintainability.
* Followed Agile methodology, collaborating with the Microservices team to ensure continuous improvement and high-performance software delivery.

**Environments:** Java 1.8, Spring Boot, Oracle 12c, Microservices, Maven, jQuery, HTML5, CSS3, Jenkins, XML, Linux, Junit, Cucumber, WebLogic, Hibernate, GitHub

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**EDUCATION**

* MBA in Information Technology, Johnson & Wales University, RI
* Bachelor of Engineering, Electronics & Communication, Kantipur Engineering College, Lalitpur, Nepal

**Certificates:**

* SAFe Scaled Agilist 5