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Nishitha

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SUMMARY:

Full Stack Developer with 3+ years of experience in developing RESTful Web services within Microservice architecture using Java Spring Boot. Proven track record of successfully implementing robust Java backend systems, deploying applications on multiple cloud platforms, and leading the design and implementation of critical business databases. Demonstrates expertise in cloud technologies, including AWS, Docker, Kubernetes, with a strong foundation in core Java, Spring Boot, Data structures, Proficient in optimizing database structures, ensuring secure authentication and authorization processes, and actively contributing to the implementation of cloud-based solutions. utilizing Git and GitHub for effective version control and actively involved in Agile software development methodologies, including Scrum and Test-Driven Development (TDD). Proficient communicator skilled in articulating project details comprehensively, fostering collaboration across technical teams and enabling informed decision-making from development to executive levels.

EXPERIENCE:

Java full stack Developer | Lexis Nexis , New Jersey **Sep 2022 -Present**

- Implemented robust Java backend systems using technologies such as Java 8, Spring Framework and RESTful APIs, delivering reliable and secure services.
- Increased API performance by 25% through optimization techniques, resulting in faster response times for client requests.
- Implementation of the design wireframe using React and exposing backend services which runs on Spring Boot.
- Reduced development time by 20% by leveraging Spring Boot's auto-configuration and Spring Dependency Injection, resulting in quicker feature delivery.
- Developed Microservices & APIs using Spring Boot and Used Apache Kafka cluster as messaging system between the APIs and Microservices.
- Led the design and implementation of a robust relational database using Microsoft SQL Server for a critical business application.
- Kubernetes and Docker were utilized to establish the CI/CD system's runtime environment for creating, testing, and deploying Angular 6 Router-based single-page apps.
- Enhanced user experience by 40% through the implementation of dynamic UI components using JavaScript frameworks, resulting in increased user engagement and satisfaction.
- Configured Tomcat server environments based on project requirements, including setting up server.xml, web.xml, and context.xml files to optimize performance and accommodate application needs.
- Implemented and maintained secure authentication and authorization processes within Java backend systems, focusing on modern mechanisms to ensure data integrity and user privacy.
- Developed and integrated token-based authentication systems, enhancing the security posture of applications by implementing industry-standard practices.
- Design and development of batch processing components using Spring Batch framework on AWS Servers
- Responsible for creating an Amazon EC2 instance using (AWS) Elastic Bean Stalk and deploy the application on it
- Designed and implemented database solutions using AWS DynamoDB, RDS.
- Streamlined deployment processes, reducing deployment time by 40%, and increasing deployment frequency by 50%, resulting in faster feature delivery and improved time-to-market.
- Implemented automated CI/CD pipelines using Kubernetes and Docker, reducing deployment time by 30% and increasing development team productivity.

Java full stack Developer | HCL Technologies, India **Sep 2019- June 2021**

- Developed and maintained Restful APIs using Spring Boot within a microservice architecture.
- Decreased system complexity by 25% by leveraging Spring's dependency injection and modular design, leading to easier maintenance and scalability.
- Improved data accuracy by 50% by implementing SQL validation scripts, resulting in fewer data errors and increased confidence in data integrity
- Deployed Spring Microservices using Gitlab CI/CD pipelines for efficient deployments.
- Extensively used Spring IOC configured Application Context files and performed database object mapping using Hibernate annotations.
- Strengthened application security by 45% through the implementation of OAuth2, mitigating security risks and ensuring secure access to sensitive resources.
- Improved system scalability by 50% by implementing asynchronous communication using JMS APIs, enabling efficient handling of high message volumes and improved system responsiveness.
- web application functionality. Developed SQL scripts for importing and validating large datasets, ensuring data accuracy. Deployed Spring Microservices using Gitlab CI/CD pipelines for efficient deployments. Developed data pipelines and ETL processes for NoSQL data stores.
- Implemented performance optimization techniques that reduced application load times by 15%, leading to a more responsive user experience and increased customer satisfaction.
- Introduced automated testing processes that increased testing coverage by 40% and reduced the number of post-release defects by 25%, significantly improving overall product quality and stability for Dover's applications.

Java full stack Developer | ITIux, India **April 2019-Sep 2019**

- Implemented and configured processes, standards, and procedures using Agile Methodology for efficient development.
- Designed and coded diverse Java and J2EE modules, including Spring Boot, Spring MVC, and Spring Rest, ensuring high-quality deliverables.
- Configured and optimized Spring Security to secure method calls and RESTful web services.
- Improved user engagement by 35% through the development of responsive web applications, providing a seamless experience across various devices and screen sizes.
- Designed and implemented bi-directional API integrations between Microsoft Dynamics and AWS.
- Implemented performance optimization techniques that reduced application load times by 15%, leading to a more responsive user experience and increased customer satisfaction.
- Reduced data transfer latency by 30% through the optimization of interface design, enabling faster data transmission and improved system responsiveness
- Improved data management efficiency by 25% through the effective use of JSON data structures, facilitating easier data manipulation and exchange between frontend and backend systems.
- Leveraged Power Virtual Agents to create intelligent chatbots for enhanced customer interactions.
- Improved user satisfaction by 35% through the implementation of React.js user-friendly interfaces, resulting in higher engagement and retention rates.
- Reduced deployment time by 50% through the automation of build and deployment processes, ensuring faster time-to-market for software releases and improved overall development efficiency.
- Assisted in configuring Spring Security, contributing to the enhancement of application security measures.
- Gained exposure to API integrations between Microsoft Dynamics and AWS, acquiring practical knowledge of data exchange mechanisms.
- Gained hands-on experience in deploying and managing web components on the Apache Tomcat Application Server, demonstrating proficiency in server-side operations.

TECHNICAL SKILLS:

Programming Languages: Java, SQL, Core Java, Scala, Python, Golang
Web Technologies: Angular, Next.js, React, HTML5, CSS3, XML.
Databases: MySQL, Oracle SQL, PL/SQL, PostgreSQL, Mongo DB.
Frameworks & Scripting Languages: Shell Scripting, Node.js, Spring Boot, Spring Security, Spring Data JPA, Hibernate.
Design/Architecture: Data Structures, Microservices, Restful webservices.
Cloud & Deployment Technologies: AWS, GCP, Docker, Kubernetes, Agile Methodologies, Terraform.
Tools: Eclipse, IntelliJ, PyCharm, HPSM, Maven, Jenkins, Visual Studio, Git, GitLab, Visual Studio Code, ServiceNow, JIRA,PowerBI
Testing & Messaging: JUnit, Postman, Jasmine, Apache Kafka, RabbitMQ.
Operating Systems: Linux, UNIX, MacOS, Apache Tomcat, Windows.

EDUCATION:

Master of Science in Computer Science | GPA: 3.5 **Aug 2021 -Dec 2022**
University of Missouri Kansas City
Bachelor of Technology in Computer Science | GPA: 3.5 **Aug 2016- Aug 2020**
Jawaharlal Nehru Technological University

ACADEMIC PROJECTS:

Hazard Detection and Alert system to Prevent Incident: (android studio, Reactnative, Arduino, BLE,Esp32)
Safety hazard involving heavy fleet vehicles and crews on backing Incidents. Potential alternative system directions using state-of-art-technologies (SOTA). Built a WPS hardware (Esp. 32 based small form-factor prototype) Perform unit testing.

Online Banking Project: (JSP, JDBC, JavaScript, AJAX, Oracle)
This project is aimed at developing an Online Banking for customer. The system is an online application that can be accessed throughout the organization and outside as well with proper login provided. Use of AJAX at least with all registration forms and with every search option and at theid of each searched result with on mouseover event.