Sriram Alokam

Java Developer
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Professional Summary:

- Holds a Master of Science degree in Computer Science with experience in developing practical and time-saving software solutions using Java and web technologies.
- Collaborated on diverse projects involving UNIX-based systems, showcasing proficiency in managing and optimizing system performance.
- Developed responsive and user-friendly front-end interfaces using HTML, JavaScript, jQuery, CSS, and ReactJS, leading to an increase in user interactions.
- Worked on Core Java concepts such as OOP Concepts, Collections Framework, Exception Handling, I/O Systems, Multi-Threading, JDBC, Generics.
- Developed microservices with Spring and tested the application using Spring Boot.
- Used Spring Core annotations for Spring Dependency Injection, Spring MVC for Rest API, and Spring Boot for microservices
- Demonstrated proficiency in managing relational databases, including PostgreSQL and MySQL.
- Applied expertise in database schema design, normalisation, indexing techniques, and other practices to ensure data integrity and maximise query performance.
- Exhibited strong programming skills in designing and implementing multi-tier applications using web-based technologies such as Spring MVC and Spring Boot.
- Spearheaded the integration of Apache Kafka into the data processing pipeline, significantly improving real-time data streaming capabilities.
- Proficiently harnessed core AWS services, including Amazon EC2 for scalable virtual servers, Amazon S3 for efficient object storage, and AWS Lambda for serverless computing.
- Adeptly managed version control using GIT, conducted API testing with Postman.

Technical Skills:

Languages:
Java, PL/SQL, Python, C++, C#.

Java Technologies and Frameworks:
JSP, JMS, Servlets, Spring Microservices, Spring Boot, Spring MVC, Hibernate, Spring, JUnit, Mockito

Application Servers:
Apache Tomcat, WebLogic, WebSphere, JBoss

Message Brokers:
Kafka

Databases:
Oracle, SQL Server, PL/SQL, and My SQL

Operating Systems:

Windows, Linux/UNIX, MacOS

Web Technologies:
HTML, CSS, JavaScript, XML, React JS, REST API, JSON, Typescript, jQuery

Tools and Technologies:
Postman, Jira

IDE's:
Eclipse, NetBeans, Spring

Methodologies:
SDLC, Agile (SCRUM)

Education:
- Master of Science in Computer Science from Texas Tech University, Lubbock TX in 05/2023.
- Bachelor of Science in Computer Science from Acharya Nagarjuna University, Guntur, India in 04/2021.

Professional Work Experience:
Cognizant, Hyderabad, India
Java Intern Trainee
01/2021 – 06/2021

Contribution:
- Significantly improved user engagement by developing responsive and user-friendly front-end interfaces using HTML, JavaScript, jQuery, CSS, and ReactJS, leading to an increase in user interactions.
- Enhanced application functionality by designing and developing web interfaces and business logic using Spring, JSP, Servlets, Spring JDBC, JavaScript, HTML, and XML technologies.
- Experience in Core Java concepts such as OOP Concepts, Collections Framework, Exception Handling, I/O Systems, Multi-Threading, JDBC, Generics
- Used Java8 features in developing the code like Lambda expressions, creating resource classes, fetching documents from the database
- Used design patterns like Singleton, Data Access Objects, Factory, and MVC patterns
- Collaborated on diverse projects involving UNIX-based systems, showcasing proficiency in managing and optimizing system performance.
- Developed microservices with Spring and tested the application using Spring Boot
- Used Spring Core annotations for Spring Dependency Injection, Spring MVC for Rest API, and Spring Boot for microservices
- Development of cloud-hosted web applications and REST APIs using Spring Boot with embedded Tomcat
- Wrote build scripts using Maven.
- Successfully established robust communication between frontend and backend components by proficiently creating RESTful APIs using Spring Boot, reducing API response times by 40%.
- Seamlessly integrated third-party APIs into applications using Postman, streamlining data exchange and enhancing functionality, resulting in a 15% reduction in development time.

- Spearheaded the design of serverless architectures using AWS Lambda and maximized the utilization of Amazon S3 for asset storage, leading to a 30% improvement in resource management and cost efficiency.