Sai Teja Ejjigiri

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Senior Software Engineer

Experienced Java developer with over seven years of expertise in delivering high-performance solutions. Proficient in designing and optimizing RESTful APIs, microservices, and databases. Skilled in Agile methodologies, version control with Git, continuous integration with Jenkins, and containerization with Docker. Well-versed in Kafka for stream processing and event-driven architectures. Committed to professional growth and teamwork, always seeking opportunities to learn and improve.

SKILLS

- Apache Airflow
- Apache Cassandra
- Apache Kafka
- Apache Maven
- Apache Spark
- API Gateway
- Azure DevOps
- Boostrap
- CSS
- Databricks
- Dependency Injection
- Docker
- Git
- Grafana
- HTML
- Java
- JUnit
- Kubernetes
- Linux
- Microservices
- Microsoft Azure
- Mockito
- MongoDB
- Multithreading
- NoSql
- OpenAI
- Postgresql
- Prometheus
- Python
- Representational State Transfer
- Scrum Methodology
- Spring Boot
- Spring Framework
- Spring WebFlux
- SQL
- Swagger
- Troubleshooting

WORK EXPERIENCE

Walmart • **Texas, USA**   **06/2024 - Present**

Senior Software Engineer - Project # SAM's Member Access Platform(MAP)

- Enhanced the Member Access Platform (MAP) by integrating programmatic advertising capabilities, enabling targeted and personalized ad placements for members, which resulted in a 15% increase in ad engagement and a more tailored shopping experience for Sam's Club members.

- Developed and maintained scalable microservices using Java and Spring Framework, resulting in improved performance and reduced response times by 20% for customer-facing applications.

- Implemented reactive programming with Spring WebFlux, enhancing the application's ability to handle high-throughput scenarios, reducing latency, and improving user experience.

- Leveraged Java Streams API to implement efficient data processing pipelines within the MAP system, reducing code complexity and improving performance by enabling parallel processing of large data sets.

- Optimized database queries and indexes in PostgreSQL, leading to a 30% reduction in query execution times and improving overall application performance.

- Automated complex ETL workflows using Python and Apache Airflow, streamlining data processing tasks, improving data accuracy, and reducing manual intervention.

- Conducted code reviews and provided mentorship to junior developers, promoting clean code practices, improving code quality, and reducing technical debt.

- Utilized Docker and Kubernetes to containerize and orchestrate applications, improving deployment consistency and simplifying the development environment.

- Monitored and troubleshooted application performance using Azure Monitor, PostgreSQL performance tools, and Spring Boot Actuator, proactively identifying and resolving issues before they impacted users.

Albertson • California, USA   04/2023 - 02/2024
Senior Software Engineer - Project # Product Catalogue System

- Leveraged the Spring framework for seamless dependency injection and enhanced application architecture.

- Leveraged Java 8's functional programming capabilities, such as lambda expressions and streams, to write concise and efficient code for enhanced application scalability and performance.

- Worked extensively on Multi-threading techniques and parallel processing, effectively optimizing application performance and scalability.

- Implemented data processing tasks leveraging Apache Spark, enabling scalable and high-performance analytics within the application.

- Successfully implemented reactive applications using Spring WebFlux in the Albertsons project to manage high-throughput, non-blocking I/O operations effectively.

- Employed JUnit for comprehensive unit testing, ensuring code reliability and robustness.

- Utilized Mockito for mock object creation to facilitate unit testing and isolate dependencies.

- Safeguarded sensitive information by integrating Azure Key Vault into the application architecture, ensuring secure storage and management of secrets, encryption keys, and certificates.

- Modelling Language and created Use Case, Class, Sequence diagrams and complete development, testing and maintenance process of the application.

AT&T • New Jersey, USA   05/2019 - 04/2023
Java Developer - Project # AT&Ts ticketing system

- Involved in SDLC Requirements gathering, Analysis, Design, Development and Testing of application using AGILE methodology (SCRUM) .

- Developed controllers for request and response processing, resulting in a 20% increase in API response time, leading to improved user experience and customer satisfaction.

- Developed and implemented Rest API for Spring based application, leading to seamless integration with other systems and improved data exchange for the business.

- Contributed to the design and implementation of multi-stage data migration processes, transitioning from RDBMS to Cassandra databases, ensuring smooth transfer of essential datasets while enhancing performance and scalability.

- Worked extensively on multi-threading techniques and parallel processing, effectively optimizing application performance and scalability.

- Facilitated outbound and inbound Kafka messaging processes, ensuring seamless transmission of data both to and from Kafka queues.

- Employed JUnit for unit testing to ensure the reliability and robustness of the codebase.

- Effectively implemented Azure API Gateway to optimize communication between microservices and external clients. This involved configuring and managing API endpoints to ensure seamless integration and efficient data exchange.

- Orchestrated containerized applications with Kubernetes and Docker, ensuring efficient deployment, scaling, and management across diverse environments for streamlined development and operations.

Siemens Technology And Services Private Limited   10/2017 - 04/2019
Java Developer - Project # Postal Automation

- Responsible for developing, maintaining, deploying, and supporting the highly scalable, multi-user e-commerce Web application for dealers.

- Involved in data gathering during the business analysis and planning phase of the project.

- Extensively used Spring MVC framework to develop the web layer for the application.

- Used Spring's AOP to implement logging and getting data source objects as the advice that was woven in the bean classes.
- Integrated MongoDB as the database solution, leveraging its flexible document model to store and manage data efficiently, ensuring optimal performance and scalability for the application.
- Participating in project design sessions to document technical specifications and to provide design options and solutions.
- Worked on complete life cycle, Design, development, and testing using OOA and OOD.
- Using Svn for software configuration management and version control.
- Preparing test cases and strategies for unit testing and integration testing.

Cisco Systems Private Ltd   **08/2016 - 10/2016**

Internship

- The internship project is focused on utilizing Cisco Packet Tracer to design and simulate various network scenarios for educational and research purposes. As an intern, you will work with a team of network professionals to design and simulate real-world network topologies, configuring routers, switches, and other network devices, and testing and troubleshoot the simulated networks.

EDUCATION

Masters in Telecommunications Systems Management

Murray State University • KY, USA   08/2017 - 04/2019

Bachelor Of Electronics And Communications In ECE (Honors)

Lovely Professional University • Punjab, India   07/2012 - 12/2016

CERTIFICATIONS

Introduction to Cloud Computing

IBM

Designing Microsoft azure infrastructure solutions

Microsoft

Containerised app development with Azure Kubernetes Service

Coursera