**MAYANK SINHA**

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# SKILLS

JAVA Spring boot Hibernate Microservices SQL Big query Data structure and algorithms System design

EXPERIENCE

Quarks Technosoft Augusst 2023 - Current

Roles and Responsibilities

* Design develop and deploy applications from requirements.
* Responsible for making application up and running 24X7.
* To handle projects which are assigned.

**Nspire Automation Private Limited** October 2020 – August 2023

(Nspire Automation Private Limited is a demerged product of Progressive Infotech pvt. ltd named as Centilytics. Demerger took place in March 2023.)

Recognized as “Multitasker” in 2022.

## Roles and Responsibilities

* Developed and maintained software applications using Java, Spring boot, and microservices.
* Implemented and tested new features to meet project requirements and specifications.
* Collaborated with cross-functional teams to deliver high-quality software products.
* Implemented security measures and performance optimizations.
* Develop projects from scratch from use cases.
* Managing scalability and availability of application.

## Industrial Projects

1. Airlinq Product catalogue

* + Centralized Product & Service Management
  + Versioning & Lifecycle Management
  + Bundling and Dependencies
  + Pricing & Discount Logic
  + Integration with BSS/OSS and other systems

1. Data Ingestion System
   * Developed an application using Java to extract, transform, and load data from various sources to target databases/data warehouses.
   * Implemented data transformation, cleansing, and aggregation techniques for data quality and accuracy.
   * Optimized performance to handle large data volumes and reduced processing time.
   * Implemented error handling, monitoring mechanisms and logging mechanisms for effective troubleshooting.
   * Achieved significant improvements in data accuracy and availability for decision-making.
2. Inventory of resources
   * Developed Spring boot-based inventory system for live resources management for resources provisioned in AWS, AZURE and GCP.
   * Proficient in Java programming and utilized cloud-specific SDKs.
   * Optimized performance to handle a large number of live resources and provide quick access to information.
   * Implemented real-time data updates and synchronization for live inventory monitoring.
3. Tag management
   * Developed tag management system with resources provisioned on AWS, Azure and GCP tagging and automation tagging features using Java, Spring boot and microservices.
   * Implemented resource tagging to categorize and organize various resources based on user-defined tags.
   * Created automation tagging capabilities to automatically assign tags to resources based on predefined rules and criteria.
4. Cost monitoring
   * Designed the system to monitor cost of resources in AWS, AZURE, and GCP.
   * Optimized performance to process and analyze large volumes of cost data efficiently.
5. Resource utilization
   * Developed resource utilization monitoring system using Java.
   * Designed the system to monitor various resources, such as CPU, memory, disk, and network usage.
   * Achieved comprehensive resource utilization insights, enabling proactive capacity planning and resource optimization.

## Personal Projects

1. Financial Dashboard

* + An application which is based on tracking day to day financial transactions and investments.
  + Keeps tracks of all mutual funds and there nav prices.
  + Gives alert when lockin investments like FD, ELSS matures.

2. E-commerce website

A genric application which can be used for e-commerce purposes for a different clients.

# EDUCATION

* Krishna Engineering College 2017- *2021*

B. Tech with 82 %

NPTEL Online Certification on “Programming, Data Structure &Algorithm” in 2018. Won multiple coding competition organized in college campus.

* Sardar Patel Public Sr. Sec. School CBSE Board *2017*

12th with 74.4%

* Little Star Public Sec. School CBSE Board *2015*

10th with 8.8 CGPA