ARYANSHU VERMA

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Education

Indian Institute of Information Technology-Gwalior   **2017 − 2022**
Integrated Bachelor & Masters in Information Technology(7.68 CPGA)   *Gwalior, MP*

Technical Skills

Languages: Java/JEE, Python, C++, SQL
Frameworks: Spring MVC, Spring Boot, Flask
Testing Framework: JUnit, Mockito, Selenium, TestNG, RestAssured, unittest
DBMS: MySQL, PostgreSQL, NoSql-Elasticsearch, MongoDB
Other Languages, Tools & Technologies:
HTML, CSS, JavaScript, Git, CI/CD Pipelines, Containers, Docker, Kubernetes, Postman, Offest, RabbitMQ, Apache Kafka, Linux/Unix, Agile, Jira, DevOps tools-Jenkins, Blackduck, CheckMarx, Sonarqube

Experience

DELL Technologies   **Jan 2022 −**
Software Engineer-2   *Bangalore, Karnataka*

- Involved in working in a Data Engineering team, where worked in all phases of **Software Development Life cycle(Designing, Implementing, Testing, Deployment, Monitoring) using Java/JEE and Python Technologies.**
- Worked on Developing various **Microservices & RESTful APIs** for building a larger scale distributed system to process the data received from various Dell Enterprise servers using **Java, Spring MVC, Hibernate, Kafka** as well as Experience in working on OLAP data(Data Warehouse)
- Worked with **Elasticsearch database(NoSQL) & PostgreSQL** to persist data and query data using Kibana console & SQL Developer respectively.
- Worked on **developing various microservices** to do the extraction of the highly compressed data or files, for the exchange between applications used **RabbitMQ and Kafka Message broker** for achieving asyncrhonous communication.
- Worked on the code coverage part i.e. worked on **unit testing using Junit, Mockito, RestAssured etc.** alongside worked on **Integration Testing** using Automation Test suite for APIs using **TestNG** for the same applications.
- Involved in **Monitoring** all the Backend applications for my team, through **Dynatrace Dashboards(Data visualization tool)** for different Performance metrics.

RAKUTEN   **June 2021 − Dec 2021**
Software Engineer Intern   *Bangalore, Karnataka*

- Worked on developing a visual layout comparison feature for an Automated Testing Platform using **Python**
- The feature was about to verify whether a particular website is rendering properly on different devices through automation instead of manual UI testing, by capturing location of all the components of website.
- Tech stack involved in the development are **Python, Writing Automation scripts using Seleium & Webdriver for capturing location of elements, Image Processing.**

Projects

Tinder Clone: Scalable Backend System

- The **Tinder Clone-Backend** project aims to build a scalable backend system for an application like Tinder or other dating sites.
- Utilizing Java/Spring & Python to implement functionalities and integrate microservices for Tinder Clone.
- Developed microservices **(registration-svc, profile handler, feed engine, recommendation engine & other)** for user registration, profile management, recommendation generation using ML models.
- Optimized user-data storage using PostgreSQL and recommendation storage using Elasticsearch. Implemented **geo-location based sharding** techniques for query optimization.