Aryanshu Verma

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SKILLS

TECHNICAL SKILLS & TOOLS

Languages: Java/JEE, Python, C++

Frameworks: Spring MVC, Spring Boot, Flask

Testing Framework: JUnit, Mockito, Selenium, TestNG, RestAssured, unittest

DBMS: MySQL, PostgreSQL, NoSql-Elasticsearch, MongoDB

Cloud: Pivotal Cloud Foundary
Monitoring: Dynatrace

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

CORE CS

Operating System, Object Oriented Programming, Computer Networking
Data Structure & Algorithms, Computer Architecture, System Design, Machine Learning

EDUCATION

IIIT GWALIOR

Integrated B.Tech and M.Tech in Information Technology
2017 - 2022 | Gwalior, INDIA
CGPA: 7.67

VKS PUBLIC SCHOOL

2016 | Moradabad, IN
CBSE XII: 86.40%

VKS PUBLIC SCHOOL

2014 | Moradabad, IN
CBSE X: 95.0%

EXPERIENCE

DELL R&D | SDE

January 2022 - Present

- Involved in working all phases of **Software Development Life cycle(Design->Development->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(Computing & Storage servers such as Poweredge, Powerstore etc.) using **Java, Spring MVC, Spring Boot, Hibernate, Kafka**
- Worked with **Elasticsearch database(NoSQL) & PostgreSQL** to persist data and query data using Kibana console & SQL Developer respectively.
- 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.
- Worked on **developing various microservices** to do the extraction of the highly compressed data using **Python**, for the exchange between applications used **RabbitMQ and Kafka Message broker** for achieving reliability, Scalability and decoupling.
- Involved in **Monitoring** all the Backend applications for my team, through **Dynatrace Dashboards(similar to Grafana)** for different Performance metrics.

RAKUTEN | Software Engineering Intern

June 2021 - Dec 2021 | Bangalore

- 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.**

PROJECT

Tinder Clone: Scalable Backend System

- 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.