

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++

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, AWS, Git, CI/CD Pipelines, Containers, Docker, Kubernetes, Offest, RabbitMQ, Apache Kafka, Linux/Unix, Agile, Jira, DevOps tools-Jenkins, Blackduck, CheckMarx, Sonarqube

Experience

DELL TECHNOLOGIES

Jan 2022 –

Software Engineer-2

Bangalore, Karnataka

- Successfully designed and implemented a suite of Microservices and REST APIs as a critical component of a scalable distributed system that **facilitated seamless data processing from various Dell Enterprise servers**.
- Leveraged technologies such as **Java/JEE, Spring, Spring Boot, Python, Flask, Hibernate, RabbitMQ, Kafka**, and more to develop the system, ensuring its efficiency and reliability.
- Consistently involved in all phases of the **Software Development Life Cycle, encompassing Design, Development, Testing (unit testing & integration testing), Debugging, Maintenance/Monitoring**. Employed Java/JEE and Python Technologies to consistently achieve successful outcomes.
- Proficiently employed **PostgreSQL database for metadata storage and Elasticsearch** for high-frequency, large-scale data management.
- Actively **monitored all backend applications** within my team, using Dynatrace Dashboards (a data visualization tool) to track various performance metrics & sending alerts in case of any misbehaviour.

RAKUTEN

June 2021 – Dec 2021

Software Engineer Intern

Bangalore, Karnataka

- Successfully developed a visual layout comparison feature for an Automated Testing Platform, using Python.
- **Designed and implemented a critical feature to automate website rendering verification across various device resolution**. This innovative solution captured component(DOM structure & divs) locations, eliminating the need for manual UI testing.
- Tech stack involved in the development are **Python, Writing Automation scripts using Selenium & Webdriver for capturing location of elements, Image Processing**.

Projects

Tinder Clone: Scalable Backend System

- The **Tinder Clone-Backend** project delivers a Scalable Backend system for a one-on-one matchmaking chat application, closely resembling the functionality of Tinder.
- 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.