

# Aryanshu Verma

## Software Engineer Dell Technologies

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Hi, Greeting,

My name is Aryanshu Verma and I am currently working as a Software Engineer at Dell Technologies. I completed my Integrated Masters in Information Technology from Indian Institute of Information Technology, Gwalior, India.

I have around 2 years of experience in working all phases of the software development life cycle, including development, testing, deployment, and monitoring, using Java/JEE and Python technologies. At **Dell Technologies**, I have worked on CLOUDIQ Product which provides assistance to Dell Enterprise servers such as PowerEdge and PowerStore, I have worked in developing microservices mainly Listener and Processor that listener to messaging queues such as kafka & RabbitMQ and process that data based on the specific requirements. During this, The technology stack involved in this project includes Java, and Python. I have worked with Elasticsearch (NoSQL) and SQL (RDBMS) databases to store and query data using Kibana console and SQL Developer, respectively. Additionally, I have worked on code coverage by implementing unit testing using Junit, Mockito, and also worked on creating automation test suites for APIs testing and sanity testing using TestNG. I also have experience in developing microservices to extract highly compressed data using Python, and for the exchange between applications, We were using RabbitMQ and Kafka message broker for reliability, scalability, and decoupling for interaction or exchange between the microservices. I have also been involved in monitoring all backend applications for my team through Dynatrace Dashboards (similar to Grafana) for different performance metrics such as response time, availability of services, and host's CPU and memory utilization. If there is any misbehavior, I generate alert notifications by sending emails, creating JIRA tickets, and creating ServiceNow tickets.

During my technical internship at **Rakuten, India**, I was a part of a team that was developing an automated testing platform similar to Browserstack and Lambdatest. My role in the team was to work on developing a visual layout comparison feature for the platform using Python. The future's purpose was to verify the proper rendering of a website on different devices through automation, instead of manual UI testing. This was achieved by capturing the location of all website components and re-scaling them with the compared resolution. The technology stack used for the development of this feature included Python, Selenium, Opencv, Automated Testing and Webdriver for capturing the location of elements, as well as some Image Processing.

**Additionally**, I have completed internships in the field of machine learning. I worked with Findmind Analytics on a project related to extracting vital information from driving licenses, and with OustLabs on a computer vision project involving the generalization of YOLO, a real-time object detection model.

Thank you for your consideration.

Regards,

Aryanshu Verma