Vijay Lathwal

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Summary: `DevOps Engineer`

I studied Data Analytics at St. Clair College, Mississauga. Now, I am drawn to DevOps Engineering. My interest in DevOps was sparked when I observed how data driven decisions and automated processes can significantly enhance project outcomes and operational efficiencies. I have gained substantial knowledge through my studies and projects. I am eager to apply what I've learned to contribute positively in a DevOps Engineer role.

Education

DevOps Engineer Course: August 2023 - December 2023
KodeKloud, Online Institute
Key Areas: Docker, Kubernetes, Ansible, Terraform, Jenkins, Git, GitHub, AWS, Azure

Data Analytics for Business: September 2022 - December 2023
St. Clair College, Mississauga, Ontario
Key Skills: RStudio, Tableau, Excel, SQL, Python, Machine Learning.

B.Tech in Computer Science: June 2017 - May 2021
Deenbandhu Chhotu Ram University of Science and Technology, Sonipat, Haryana
Key Takeaway: Acquired a strong foundation in programming, data structures, and algorithms.

Computer Hardware Network Associate (CHNA):   2017 - 2018
Institute of Advanced Network and Technology (IANT), Online
Key Takeaway: Gained foundational knowledge in computer hardware and networking, enhancing understanding of system and network configurations crucial in DevOps practices.

Certifications

- Cisco Certified Network Associate (CCNA)
- Cyber Security (Gurugram Police Internship, India)
- IT Fundamental (CompTIA)
- Red Hat Certified System Administrator (RHCSA)
- SCSU
- Excel Supply Chain Analysis: Solving Inventory Problems
- Learning R

Projects

Healthcare Data Analysis Project: *Sept 2023 - Dec 2023*

https://github.com/cehvijay1/healthcare-project

- Collected and cleaned datasets using **Python** to analyze COVID-19 vaccination rates and their correlation with GDP per capita across different continents and countries.
- Utilized **Docker** on **CentOS** images to containerize the data analytics environment.
- Employed **Python** and **Tableau** for data analysis and visualization, and **Machine Learning** to predict trends, deriving insights to answer critical healthcare questions shared with relevant stakeholders.
- Project repository: GitHub – Healthcare Project

Financial Analytics Project (E-Commerce Data Analysis):   *Sept 2023 - Dec 2023*

https://github.com/cehvijay1/ecom-project

- Collected and cleaned e-commerce datasets using **Python** to prepare data for analysis aimed at understanding customer preferences, buying behavior, and enhancing product recommendations.
- Utilized **Git for version control** and **GitHub for code collaboration**, ensuring smooth project progress with a team of data analysts.
- Employed **Python** for data cleaning, preprocessing, and analysis, **SQL** for efficient data querying and management, and **Tableau** for data visualization.
- Applied **Machine Learning** algorithms to analyze customer reviews and purchasing history, which helped in optimizing supply chain logistics, analyzing seller performance, and identifying potential areas of expansion based on geographical sales data, thereby improving sales and customer satisfaction.
- Project repository: GitHub – Ecom Project

Professional Experience

Domain Support Specialist, Ericsson India Global Services Pvt Ltd, Noida, India   *March 2022 - June 2022*
- Provided technical support, troubleshooting complex technical issues, and collaborated with stakeholders, gaining exposure to real-world operational challenges.

IT Manager, Aeroline InfoTech, Corporate Office, India   *Jan 2021 - Sept 2021*
- Managed system updates, network configurations, and troubleshooting, laying a foundation for understanding the importance of system reliability and automation in DevOps.

Technical Skills

- **Configuration Management:** Jenkins
- **Containerization and Orchestration:** Docker, Kubernetes
- **Version Control Systems:** Git, GitHub, Dockerhub
- **Infrastructure Automation:** Ansible, Terraform
- **Cloud Platforms:** AWS, AZURE
- **Programming Languages:** SQL, Python
- **Data Analysis Tools:** Rstudio, Tableau, Excel, MS Office,
- **Networking:** Cisco Devices, IP address, VPNs.
- **Virtualization:** VMware, VirtualBox
- **Scripting:** Bash, Chef.
- **Database Management:** MySQL, MS SQL
- **Security:** SSL/TLS, Firewalls,
- **Operating Systems:** Linux, Windows Server, macOS
- **Collaboration and Communication:** Microsoft Teams

Additional Skills

- Interpersonal Communication, Critical Thinking, Time Management, Leadership & Collaboration

Personal Traits

- Creative and positive mindset, Problem-solving ability, Passion for technology, Typing speed: 50+ WPM