

# Vivek Vatsayan

DevOps Engineer

On-Graph Technologies Pvt. Ltd.

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## PROFESSIONAL SUMMARY

- 1 year of experienced & result oriented DevOps Engineer possessing in-depth experience of managing cloud-based technology & effectively handling configuration & deployment of infrastructure & services.
- Gained hands on experience in implementing core DevOps concepts such as containerization, virtualization, version control, cloud computing, administration & load balancing, etc.

## KEY SKILLS

- Containerization & Virtualization
- Version Control
- Cloud Technology Management / Cloud Computing
- Infrastructure Monitoring
- Security & User Administration
- Networking & Configuration
- Deployment & Provisioning

## TECHNICAL SKILLS

- **Operating Systems:** Linux and Windows
- **Programming Languages:** Bash Scripting, Python
- **Version Control Tools:** GitHub, Gitlab
- **Continuous Integration Tool:** Jenkins
- **Configuration Management Tool:** Ansible
- **Artifact Management:** Nexus, Docker Hub
- **Build Tool:** Maven
- **Containerization/Orchestration Tools:** Docker and Kubernetes
- **Public Cloud:** Amazon AWS
- **IAC:** Terraform
- **Monitoring Tools:** Check-MK, Prometheus & Grafana, Smarts
- **Web Servers:** Nginx, Apache, HA-Proxy
- **Application Server:** Puma, Pm2
- **Ticketing Tool:** BMC Remedy
- **Intrusion Detection System:** OSSEC
- **Other Tools & Technologies:** Duplicity, NFS, DNS, User & Group Management

## WORK EXPERIENCE

### HCL Technologies (June 2019 – December 2019) (Third Party Contract)

- Provision Docker Containers for Developers & Tester to mimic Production box for developing & testing new features, service and enhancements.
- Monitor multi-tier environments using Smarts.
- Managed the infrastructure, avoided single point of failure, monitored RAM CPU space.
- Employed complex concepts & technologies including Git, Ansible, Apache, Jenkins, networking.
- Design, Implement and maintain Cloud Infrastructure Security.
- Creating Documentation for Handover.

- Implementing a Continuous Delivery framework using Jenkins, Ansible, Maven & Nexus in Linux environment.
- Identify, troubleshoot and resolve issues related to build and deploy process.
- Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using GitHub.
- Creating technical proposals in customer presentable ppts.
- Performing Customer POCs and Tool POCs for Niche Technologies like Kubernetes, Docker, Cloud Security (AWS) etc.
- Created server & components by application of Virtualization Concept using Docker and ensuring the scalability & reliability.
- Constantly monitored the up-time of the infrastructure using status of all components sent by the Smarts client.
- Maintain system availability and supplementary services within SLA.

#### **On-Graph Technologies Pvt. Ltd. (January 2020 to till date)**

- Working as DevOps Engineer to support Israel and USA based client.
- Maintains the infrastructure, monitoring, daily backup, automation, provide appropriate solution to client, 24/7 support and troubleshoot the problems.
- Use Jenkins Integrations & Deployment of code across various environments using Ansible.
- Monitor multi-tier environments using Check-MK.
- Pro-actively improve the quality of systems and service, and increase business value.
- Scheduling and Automatic recurring execution using crontab and at jobs.
- Collaborate with developers and architects to refine build, test, and release practices across the organization.
- Involved in deployment of code into Staging & Production environment.
- Involved in solving the incidents by taking proper action based on their priorities.
- Handling escalations and provide technical assistance for the analysts.
- Set up Build Infrastructure with Jenkins and GitHub server in AWS.
- Good knowledge in managing the Nexus and Artifactory repositories for the maven artifacts and dependencies.
- Extensive experience in using Build Automation tools like, Maven.
- Managed Docker orchestration and Docker containerization using Kubernetes.
- Proficient with container systems like Docker and container orchestration like EC2 Container Service, Kubernetes, worked with Terraform.
- Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
- Designed and implemented a continuous build-test-deployment (CI/CD) system with multiple component pipelines using Jenkins to support weekly releases and out-of-cycle releases based on business needs.
- Worked on infrastructure with Docker containerization and maintained Docker Images and containers.
- Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups.
- Responsible for Design of different Release Environments for new projects.
- Implementing new projects builds framework using Jenkins & maven as build framework.
- Configured Jenkins Slaves to create Test Environment for Testing Team.
- Created Multiple Pipeline Jenkins Jobs for Different Teams.
- Implemented Docker Containers for some services as POC.
- Helped Teams to achieve Highly available and Scalable Infrastructure using AWS ELB and ASG.

## ACHIEVEMENTS

- Rated as **Exceptional Performer** in On-Graph Technologies.
- Client and Colleague Appreciations
- Appreciation from IT Director, DRDO for outstanding performance on Cyber War Lab Project during Internship

## EDUCATION

### Bachelor of Technology (Computer Science)

Sunderdeep Group of Institution, Ghaziabad  
2015-2019

6.5/10.0 CGPA

### Intermediate

M.S. Heritage School, Meerut (CBSE)  
2014-2015

63%

### High School

B.R. International School, Hapur (CBSE)  
2012-2013

6.2 CGPA

## Interests

- Cricket
- Table Tennis

## PERSONAL DETAILS

**Date of Birth:** 19<sup>th</sup> Feb 1999

**Languages Known:** English, Hindi

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