Anish Singh Walia

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WORK EXPERIENCE

Remote Cloud Consultant (Professional Services) at Nutanix (Jan 2022–Present):

- Providing professional consulting services to one of the top Accounts AMEX(American express).
- Troubleshooting issues on API centric deployment technologies, cloud web hosting platforms, AHV(Nutanix's native KVM based hypervisor/OS) NKE(Nutanix k8s engine), LCM and other portfolio products used by AMEX
- Part of Nutanix NEXT Community Blog Project, out of the team of a total of 20 engineers worldwide, where I write various blog posts on Nutanix-related technologies and answer customer queries.
- Documenting user requirements, writing Knowledge bases on encountered issues in the field etc.
- Be a part of pre-sales and post-sales technical sales customer calls, conduct POCs and drive them along with the Accounts team.
- Supporting and managing infrastructure teams with day-to-day operations like infrastructure, compute, network and storage troubleshooting, planning/consulting, upgrade planning, performing maintenance activities, performing upgrades, performing cluster health pre-checks, Virtual machine deployments, and VM management.
- Helping infrastructure teams operationalize the Nutanix Cloud environment.
- Develop & architect standards on deploying Nutanix clusters, maintaining VMs, and infrastructure planning.
- Performing technical TOI (Transfer of Information) and conducting training sessions for AMEX employees and customer technical counterparts.
- Preparing technical weekly progress reports for the above mentioned accounts.

System Reliability Engineer II at Nutanix (July 2019 – Jan 2022):

- Troubleshooting/debugging & solving complex operational, technical, and customer issues related to Hyper-converged clusters for various virtualization platforms/hypervisors(ESXi, AHV and Hyper-V) w.r.t to Linux based CVM (Controller virtual machines).
- Worked on troubleshooting and supporting customers using Nutanix AOS and portfolio products(an operating system for the Nutanix hyper-converged infrastructure platform), RBAC, LCM, Nutanix CALM, Nutanix Karbon/NKE (Simplified management for provisioning and deploying Kubernetes clusters), Docker containers, Prism Central and API centric development technologies(REST v2,v3,v4)
- Part of "*Nu Buddy*" Program to mentor new college hires to help & train them on Nutanix technologies, deliver technical sessions, and training.
- Subject matter expert and part of vteam(Specialized member), of Nutanix portfolio products like CALM (Docker containers-based cloud application lifecycle management), Karbon/NKE & Prism Central (Centralized management pane for multiple clusters like vCenter Server).
- Writing KBs, ON-call support, providing RCAs(root cause analysis) on technical issues, opening ENG bug tickets, FEATs (feature requests) etc, for the above technologies/products to help improve the Product.
- General Storage and network troubleshooting on Nutanix AHV, ESXi and Hyper-V clusters.
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SRE Intern at Nutanix (Jan 2019 - June 2019):

- Learned shell scripting and Linux. General troubleshooting on storage & network issues in Linux-based environments.

- Worked on Cisco Packet tracer for understanding different basic Networking concepts, OSI model, protocols and technical issues.

- Studied Internal & External hardware devices.

- Worked on an Internal Engineering Project NCC-BPG, a framework for cluster health checks best practices guide using Python and shell scripting.

TECHNICAL SKILLS

- **Technologies: Virtualization, Hypervisors**(AHV,ESXi), **Cloud Computing:** Kubernetes, AWS(Basic), GCP(Basic), Mini-Kube,EFKstack, Prometheus,,Docker, Linux administration, Shell scripting, AWK, Data Analytics, R scripting.
- **IT-automation:** Ansible(Intermediate)
- **Language:**Bash/Shellscripting,R**,**Tableau(Basic),Python(basic),JavaScript,HTML/CSS,AngularJS,NodeJS,ExpressJS, MongoDB, SQL**.**
- **Misc:** Git

CERTIFICATIONS

- Nutanix Certified Professional 6.5 – Multi-cloud Infrastructure (Issued: May 2023)
- Nutanix Certified Professional – Multi-cloud Automation (Issued: September 2022)
- Nutanix Certified Professional – Multi-cloud Infrastructure 5.20(Issued: June 2022)
- Nutanix Certified Master 5.15 – Multi-cloud Infrastructure (Issued: Jan 2022)
- Nutanix Certified Services Professional (Technical Consulting and Account management) (Issued: Jan 2022)
- VMware Certified Professional (Data Center Virtualization 2020) (Issued: Feb 2020).
- Nutanix Support Specialist (Issued: Dec 2019).
- Nutanix Certified Advanced Professional (Issued: Nov 2019).
- Nutanix Certified Professional (Issued: Aug 2019).
- CCNA Routing and Switching (Issued: March 2019)

EDUCATION

Year	Degree/Certificate	Institute/School, City	CGPA/%
2015-2019	B. TECH, Information Technology.	Vellore Institute of Technology, Vellore, Tamil Nadu, India.	8.95/10
2015	Class XII: CBSE Board	Gautam International School, Dehradun, Uttarakhand, India.	92%
2013	Class X: ICSE Board	Marshall School, Dehradun, Uttarakhand, India.	72%

POSITIONS OF RESPONSIBILITY/ EXTRA CURRICULAR ACTIVITES

Successfully completed and participated in vSphere and vSAN Foundation Workshop by VMWARE:
- First cleared an online test to qualify for participating in a two-day workshop on learning the basics of vSphere.
- Hands on experience in using vSphere client and creating, configuring, cloning and managing VMs.

- Scored 93% in the final online test at the end of the workshop to get a certificate of completion and participation.

Writer at GeeksForGeeks.org- (March 2018- Present)
- I write articles on data structures and algorithms.
- Proposed various space-efficient algorithms which consume constant extra memory O(1) to do order statistics in Binary search tree.
- Proposed a traversal technique called Reverse Morris Traversal to do reverse in order traversal which consumes constant extra memory O(1) based on Threaded Binary Trees. **Link**- https://auth.geeksforgeeks.org/user/AnishSinghWalia/articles

Author for Datascienceplus.com. (June 2017 – Present)**:**
- It is a Boston based online publication and blog for showcasing R & Python tutorials.
- I write project-based Data science, machine learning and statistical modelling tutorials and articles with in-depth explanation and examples in R language**. Link**- https://datascienceplus.com/author/anish-singh-walia/

Author for Towards data science. (June 2017 – Present)**:**
- It is an online platform and publication to share and publish content related to data science.
- I have written articles on topics such as deep learning, types of activation functions and some other machine learning topics**. Link**- https://towardsdatascience.com/@anishsingh20

Technical Member at International Symposium Mechnovate'17 ,VIT University. (Dec 2016 -Mar 2017- 4 months):
- I was part of the technical team and responsible for development of the ICMMM'17 conference's website hosted by VIT University.
- Used Angular, Javascript and Jquery for client-side development, and used NodeJS and Express framework for making server-side routes and do basic routing.

Riviera 2017 Developers team. (Sep 2016 -Feb 2017- 6 months):
- I was the part of Riviera 2017 Developer's Team (A cultural fest organized by VIT University).
- Responsible for client-side development of a live voting web-app using AngularJS and JavaScript.
- Made the application robust and fault tolerant to handle load of thousands of users concurrently. (**Link**- https://github.com/saurabhmathur96/riviera-poll)

Gravitas 2016 Technical Team. (July 2016 -Sep 2016- 3 months):
- I was the part of Gravitas (2016) technical team (Gravitas is VIT University's Annual Technical Carnival).
- Responsible for designing the icons using Adobe Illustrator which were used in the official Gravitas 2016 website and the android app.

COURSES UNDERTAKEN

- **Core courses:** Cloud computing, IOT**,** Data Structures and Algorithms, Database Management Systems, Operating Systems, Computer Networks, Theory of Computation, Discrete Mathematics.