Deepankur Singh Baliyan

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EDUCATION

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES (UPES, DEHRADUN)   Jul'14 — Jun'18

B.Tech. Computer Science & Engineering with Specialization in Telecom Informatics

- GPA: 3.03/4
- Major-I project titled *Data Mining over Ontology-based Semantic Web Crawler* was recognized by the Computer Science department.
- Coursework: Data Structures & Algorithms, Computer Systems Architecture, DBMS, Operating Systems, Theory of Automata, Managerial Economics, Mathematical Logic, Computer Networks, Entrepreneurship & Product Development.

EXPERIENCE

INFRACLOUD TECHNOLOGIES., Pune (India)   Jan'21 — Present

- Training on Prometheus and Kubernetes.
- Developed a POC for custom deployment of Prometheus and Grafana using tools like Helm, Terraform, Github and GCP.

HCL TECHNOLOGIES., Noida (India)   Aug'18 — Dec'20

Senior Analyst (Cloud Management and Automation practice team)

- Developed private and public cloud infrastructure automation for clients using the VMware proprietary tools like vRealize Orchestrator(vRO) and vRealize Automation(vRA).
- Developed end to end automated VM provisioning use cases for health care and bank clients reducing the manual efforts of the business.
- Developed various use cases for various type of automated provisionings like automated provisioning of Kubernetes cluster, automated provisioning of the Lamp stack, automated provisioning of infrastructure with the application on top of it for both public and private cloud.
- Integrated various tools and services to the automated VM provisioning like ITSM tools, Antivirus agents onboarding addition of machine in the active directory
- Developed auto resolution system for the service now ITSM tool which reduced the manual efforts by half.
- Created an automated application delivery pipeline using Containers and Container Orchestration tools (Kubernetes, Pivotal Container Services(PKS), Amazon ECS).
- Hands-on experience in migrating containers from private cloud to public cloud.
- Implemented a VMware vRealize Suite based proof of concept to provide Container as Service in an automated fashion through vRealize Orchestrator scripts.
- Wrote terraform scripts for automating machine provisioning on AWS by leveraging infrastructure as a code (IaaC).
- Managed vRealize Suite for the automation and monitoring of the HCL's internal production labs.

IBM India Pvt. Ltd., Bengaluru (India)   Jun'17 — Aug'17

Software Engineering Intern

- Implemented the database structure for an application that assists organizations in providing emergency services in affected areas.

TECHNICAL SKILLS

- Programming Languages: Python.
- Software: vRealize Automation, vRealize Orchestrator, Kubernetes, Pivotal Kubernetes Services, Amazon services like EC2, ECS, EKS, S3, RDS, Docker, Terraform, Git, Prometheus, Thanos and Jenkins.
- Scripting Languages: Bash, PowerShell and JavaScript.
- Administration: Linux (CentOS, RHEL).
- Automation and Administration of Private and Public Cloud Infrastructure like Google Cloud, AWS Cloud, VMware vSphere.

TRAININGS UNDERTAKEN

- VMware vRealize Automation: Install, Configure and Manage [V7.6] by VMware Education Services.
- GCP(Google Cloud Platform) partner training on Google Cloud Platform Cloud Architect a series of 5 courses.

CERTIFICATIONS

- VTSP-MA (VMware Technical Sales Professional in Cloud Management and Automation) certified by VMware Education Services.

OTHER INVOLVEMENTS & ACHIEVEMENTS

- Part of a three-member team that represented UPES at ACM-ICPC Asia Amritapuri regionals round.