Udayendu Kar

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Professional Summary:

Innovative and results-driven Cloud Consulting Architect with over 14+ years of experience in infrastructure design, deployment, migration, and automation. Specialist in DevOps and CI/CD principles, committed to delivering high-quality, scalable, and cost-effective solutions. Proven track record of leading complex cloud projects and optimizing performance and reliability.

Core Competencies:

- Cloud Infrastructure Design & Deployment
- Cloud Migration Strategies
- Automation & Scripting
- DevOps & CI/CD Implementation
- Infrastructure as Code (IaC)
- Configuration Management
- Application Containerization
- Containerization & Orchestration
- Monitoring & Performance Optimization
- Security & Compliance
- Cost Optimization
- Team Leadership & Mentoring
- Design Documentation
- Team UP Skilling

Professional Experience:

- **Infrastructure Design & Deployment**: Designed and deployed cloud infrastructures for various clients including Fintech, Telco, Retail and Manufacturing, ensuring scalability, security, and cost-effectiveness.

- **Cloud Migration**: Lead multiple successful cloud migration projects, minimizing downtime and ensuring data integrity.

- **Automation & Scripting**: Implemented automation scripts using tools such as Terraform, Ansible, and CloudFormation to streamline infrastructure management.

- **DevOps & CI/CD**: Developed and maintained CI/CD pipelines using Jenkins, GitHub, GitLab & Bitbucket enhancing the software delivery process.

- **Containerization & Orchestration**: Utilized Docker and Kubernetes to containerize applications and manage orchestration, improving deployment consistency and scalability.

- **Monitoring & Optimization**: Implemented monitoring solutions (Prometheus, Grafana, ELK stack) to ensure performance and reliability of cloud services.

- **Security & Compliance**: Ensured compliance with industry standards and best practices, implementing security measures and conducting regular audits.

- Designed and implemented virtualized environments, transitioning clients from traditional datacentres to cloud-based solutions. Automated infrastructure provisioning and management using terraform and configuration management using ansible.

- Collaborated with cross-functional teams to develop and deploy scalable cloud solutions, meeting client requirements and business goals. Conducted training sessions for clients and internal teams on cloud best practices and emerging technologies.

- Lead the design and implementation of cloud-based solutions for enterprise clients, focusing on AWS, GCP and Azure platforms. Developed and enforced cloud governance policies, ensuring security and compliance.

- Provided technical leadership to a team of cloud engineers, fostering a collaborative and innovative environment. Conducted performance tuning and optimization of cloud environments, resulting in significant cost savings and improved efficiency. Partnered with development teams to integrate DevOps practices, improving deployment frequency and reducing lead time for changes.

Educational Qualifications:

- **Executive Management Program in Sales & Marketing (2016-17):** IIM Lucknow
- **B. Tech (2006-10):** Comp. Science & Engineering, BPUT, Orissa

Training & Certifications:

- Red Hat Certified Architect **[RHCA Level IV]**
    - Red Hat Certified Specialist in High Availability Clustering
    - Red Hat Certified Specialist in Deployment and Systems Management
- Red Hat Certified Datacenter Specialist **[RHCDS]**
    - Red Hat Certified Specialist in Linux Performance Tuning
    - Red Hat Certified Specialist in Server Security and Hardening
    - Red Hat Certified Specialist in Virtualization
- Red Hat Certified Security Specialist **[RHCSS]**
    - Red Hat Certified Specialist in Directory Services and Authentication
    - Red Hat Certified Specialist in SELinux Policy Administration
    - Red Hat Certified Specialist in Security: Network Services
- Red Hat Certified Virtualization Administrator **(RHCVA)**
- Red Hat Certified Engineer **[RHCE]**
- **AWS Certifications:**
    - AWS Certified Solutions Architect – Associate
- **VMware Certifications:**
    - VMware Certified Professional 6.5 **[VCP6.5-DCV]**
    - VMware vSphere 6.5 Foundation
- **Oracle Certifications**:
    - Oracle Cloud Infrastructure 2019 Architect Associate
    - Oracle Cloud Infrastructure Foundation 2020 Associate
- **Google Certifications**:
    - Google Cloud Certified Professional Cloud Architect
- **Azure Certification**
    - Microsoft Certified: Administrator, Architect, Devops Engineer
- **Kubernetes Certification**
    - Certified Kubernetes Administrator

Certification Number:

- Red Hat Certificate Number**: 100-127-109**
- VMware Certificate Number: **VMW-02410774Q-02402131**
- Oracle Certificate Number: **OC1996247**
- Google Certificate Number: **is6ktr**
- AWS Certificate Number: **3MVB7H72F1QQQJKN**
- Microsoft Certification ID**: 989911464**
- Kubernetes Certification ID: **LF-tg89wvvnn3**

Technical Skills:

- **Operating System:** RHEL, CentOS, Ubuntu, Debian, SUSE, Windows Server
- **Cloud Platforms**: AWS, Azure, Google, Oracle Cloud
- **Infrastructure as Code**: Terraform, CloudFormation, Ansible
- **CI/CD Tools**: Jenkins, GitHub, Bitbucket, GitLab, Azure DevOps
- **Containerization**: Docker, Kubernetes
- **Scripting**: Python, Bash, PowerShell
- **Monitoring Tools**: Prometheus, Grafana, ELK Stack, Datadog
- **Version Control**: Git, GitHub, GitLab, Bitbucket
- **Configuration Management**: Ansible
- **Documentation**: Confluence
- **Design:** draw.io, diagrams.net
- **Compute:** HP, Dell, Hitachi
- **Storage:** Dell, HP

Upstream Work:

- Integration & testing of Opensource Products like: Ansible, Kubernetes, Openstack, VMware.
- Working as a community lead for VMware, Ansible, Docker & Openstack community.
- Responsible for providing technical deep drive sessions on several components of ansible, vmware, Openstack, docker, kubernetes.
- I am a VMware vExpert**** for 2021, 2022, 2023 and 2024.

Personal Traits:

- Self-motivated with positive attitude.
- Dedication and willingness to walk extra miles to achieve excellence.
- Self-driven attitude coupled with problem solving skill.
- Appreciated team member having good communication skill.

Strengths:

Result oriented analysis, team spirit, positive attitude and relationship, self-confidence & skilled work. Love to work in the team but capable of working alone at the time of requirement. Like travelling and meeting new people. An active technology speaker on many opensource technical communities like VMUG, RHUG, Ansible, Kubernetes, Docker, Openstack.