**VIMAL KUMAR RANA**

**Email: Vimalrana1@gmail.com**

**Phone: +91-99999-83357**

* 16 years proven IT Industry experience as **Technical** **Architect / Cloud Solution Architect** who involves in gathering the **business requirement from end customer** and strategizing the demand into **technical documentation (ROM, SDD, LLD, Blueprint).**
* **Involed in design of Green Field Data Center,** Involved in design from **DC Consolidation to Journey to Cloud**.
* Experience in **Solution design and Consulting.**
* Experience in working with **Windows (2000, 2003, 2008, 2012), Linux (RHEL, CentOS, Ubuntu, Mandrake, FreeBSD), Solaris, SCO Unix, FreeBSD, HP-UNIX, UNIX SVR 4.0 at System Admin level & IBM AIX**.
* Hands on experience in working with **Datacenter, VMware and AWS AZURE, SoftLayer Cloud, IaaS, PaaS, LAMP Stack, Having Awareness on PCF, IBM ICO (Smart Cloud Orchestrator), Using Cloud management suite to manage hybrid cloud solutions**.
* Expertise in tools **Apache, Tomcat, Webmin, MQ, WebLogic, Nginx, Roxen, setting up load balancer for web applications, setting up and Administering Apache http, Tomcat server with CDN Integration using Akamai and Cloud Front.**
* Hands on experience in languages **Shell Script Bash, Python, Terraform (As the Latest)**.
* Experience in **Vmware ESX servers, VM Workstation, Public Clouds Azure and IBM SoftLayer.**
* Experience on **CI-CD Tools like Jenkins, git, bitbucket, Artifactory, Puppet, Terraform, Ansible, ALM Tools like Jira/Confluence, Crowd, Fisheye.**
* Have an understanding on **IBM DevOps tools like IBM, UCD, RTC, APM**.
* Have an understanding of Network & Security at Enterprise level
* Having an experience on managing Cisco Routing and Switching on TCP / IP Networks

**Education**

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| **College*** **Dr. CV Raman University, Raipur, CG, India (2002-2004)**

Master of Science – (IT)* **Jiwaji University, Gwalior, MP, India (1993-1997)**

Bachelor of Science – (PCM) |  **Related Work*** **Automation Current**
* **Agile Methodologies Current**
* **DevOps Best Practices Current**
* **Cloud Strategies Current**
* **Immutable Infrastructure Current**
* **Hybrid Cloud Journey Current**
* **Network Implementation Current**
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**Skills**

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| **Infrastructure as Cloud Service** | **Azure, AWS, IBM Soft Layer** |
| **Virtualization Platforms** | **Vmware, Hyper-V, Xen, QEMU, Virtual-Box** |
| **Languages** | **Shell Script Bash, Python, Terraform** |
| **Cl/CD Tools** | **Jenkins, git, bitbucket, Artifactory, Puppet, Terraform, Ansible** |
| **Application/Web Servers** | **WebLogic, Apache, Tomcat, MQ, Webmin** |
| **Networking** | **NFS, DNS, DHCP, NIS, TCP/IP, NTP, FTP, SFTP SSH and TELNET, Routing/Switching** |
| **Artifact Management** | **NPM, Nexus, JFrog** |
| **Data** Center | **Green Field DC Set up, Strategy building** |
| **Automated Test Tools** | **Junit, SonarQube, Selenium, Artifactory - JFrog** |
| **Databases** | **MySQL, Oracle, Sybase, DB2** |
| **Version Control** | **SVN, Perforce** |
| **Containerization** | **Docker, K8s, Cloud Foundry (Pivotal)** |
| **Operating Systems** | **Windows, Unix, Linux, AIX** |
| **Cloud Services** | **AWS, Azure, IBM Soft Layer covers most of IaaS components, PaaS and SaaS** |
| **Storages** | **Cloud Storage(Object and Block), NAS & SAN (HP/IBM & EMC)** |
| **IDE** | **RTC, Eclipse, Toad** |

**Certifications**

* **MS Azure Solution Architect (70-534 Certified Professional)**
* **AWS Certified Solution Architect – Associate**
* **Oracle IaaS Certified 2017 Implementation Specialist**
* **AWS (APN) Trained & Certified**
* **CCNA (3.0) Certified**
* **VTSP (VMWARE Technical Sales Professional)**
* **OCA (Oracle Certified Associate)**
* **Scrum Foundation Certified**
* **ITIL Certified**
* **Palo Alto BPA Certified**
* **Palo Alto Firewall 9.1 Certified**

**Experience**

Employer: Mind Tree Consulting, Bangalore May 2019 to Present

Role: Technical Architect

Responsibilities:

* Acted as a Technical architect at (**Wolters Kluwer, USA** Supporting from **MindTree Bangalore** Office) who involves in gathering the business requirement from end customer and strategizing the demand into technical documentation (ROM, SDD, LLD)
* Involved in design from DC Consolidation, Infrastructure Assessment/Discovery, Journey to Cloud (**J2C)**
* Highly Involved into preparing Migration strategies on Infrastructure and Application portfolio, bringing ecosystem to Public, Private and Hybrid Cloud Infrastructure using AWS, Azure and IBM Soft Layer and VMware Cloud
* Solution Design and Consulting which consists of Architectural Patters, Governance, Domain expertise, Technological roadmap to cater customer’s business preposition by providing them new technology acumen and best practices by use of Tools and Automation approach
* Having versed in discovery and assessment done using such as Cloudamize and Azure Migrate tools, utilizing replication tools such as **Zerto, Azure Site Recovery, Azure Migrate CloudEndure**
* Having done E2E data Centre Implementation which covers up (**Tile, Floor, Rack, Server, Networks, Storage, Security Devices**)
* Handling a team of 8 Unix Administrator and 4 Database & 3 Network Administrator who all are taking care 24x7 coverage / On-Call

**Project Duration at WK July’19 to Dec’19**

Role: Infra Architect

Responsibilities:

* Supporting American Food Organization by managing their portals which covers release management, application deployment, AWS (RDS, CloudWatch, S3, EBS, Auto-Scale), Akamai CDN, Palo Alto Security
* Managing a team of 25 people (Linux+Windows+DB+Security) who are working on 16x5 coverage / On-Call

**Project Duration at Kellogg’s April’20 to June’20**

**Employer: NIIT Technologies, Noida Sep 2018 to Mar 2019**

**Role: Technical Architect**

**Responsibilities:**

* Working on RFP, RFI for Airlines and Banking domain. Playing a role like Individual contributor who helps presales people in giving them the technology design / solution based on the customer demand.
* Working on AI / ML POC on Azure for creating COE capabilities, setting up CICD DevOps use cases on Azure and AWD Cloud
* Handling a team of 4 Associate Solution Consultants who all are working for Internal POCs.
* Setting up a quick POC for Banking client using Splunk and AppDynamics with ELK validation
* Designing architecture and deployment of Viewpoint on the Hybrid Cloud with Azure
* Architecting DR solution on the cloud for Viewpoint and NIIT Internal ERP Solution
* Designing File services infrastructure on Azure Cloud
* Implementing security best practices as per Center for Internet Security (CIS) standards
* Architecting & Implementing Cloud-based File Services & sync solution using AWS
* IT planning, technical strategy and operational management
* Contribute to Pre-Sales bids in functional and technical capacity
* Architecting & Implementing Citrix File Share on AWS Cloud & on-prem
* Technology Architecture and Integration for all Tracks at presales and design stage
* Infrastructure Design & Implementation consist of technologies like Microsoft, Oracle, EMC, Fujitsu, Red Hat, Sun, Nutanix, Cisco UCS
* Help customers develop & execute Infrastructure architecture strategy & roadmap at high level also
* Teamwork - motivating and developing a group of people to deliver quality services and continuous improvement.
* Handling customer escalations for Unix / DB operation, responsible for weekly Hosting dynamics and report

Employer: Capgemini, Chennai Jan 2016 to Sep 2018

Role: Working on several POC & Projects @CFS

Implemented IMMEDIATE Framework with all the layers (ALM, SM, IAM) on AWS, SOFTLAYER Cloud, worked for a Migration Project, this has been a seamless migration of Infrastructure along with application stack to AZURE Cloud.

Responsibilities:

* Using Migration Pattern for whole application stack to AZURE/AWS Cloud
* Setting up VM on top of **AZURE** using **ARM** template
* Setting up **Visual Studio** full stack for ALM perspectives
* Vision Software Double Take tool for server migration
* Setting up MS Identity Manager, SharePoint, **ADFS / Azure AD**, OMS, Azure Storage, Azure Network
* AWS Direct connect with AWS resources like EC2, EBS, IAM, AWS AMI
* Porting IMMEDIATE in AWS, **AZURE** and SOFTLATER Cloud respectively
* Working on POC’s using Capgemini immediate Framework.
* Implemented Banking as a service using Immediate Cloud for one of the leading Bank in US.
* Installing and configuring tools to test the requirements on cloud.
* Working on DevOps tools to orchestrate the environments
* Working on multiple opensource tools to incorporate with DevOps operations.
* Developing a framework to automate AWS and Azure cloud platform using puppet, terraform (**Hashicorp**), Vagrant (**Hashicorp**)
* Deploying and provisioning WSO2 and MuleSoft API management and integration platform using Capgemini Immediate Cloud Framework.
* Extensive knowledge of institutionalizing Agile and DevOps using Atlassian tools and Jenkins/Hudson, Run deck, GIT/STASH, **Maven, GO, Travis and Puppet**
* Sound knowledge of versioning using git.
* Validating tool and software to deploy them into Public Cloud.
* Involved in assessment and design of plan infrastructure on top of cloud
* Deploying and system administration of CI-CD tools on top of AZURE, AWS and IBM Soft Layer Cloud
* Setting up demanded bucket on Splunk and customized Splunk policy based on customer demand

 **Employer: IBM, Gurgaon Dec 2014 to May 2015**

 **Role: Cloud Server Migration (Solution Architect & POC)**

As an AWS cloud solution Architect, I was involved in understanding the Telecom Client pain points of existing servers EOL support and provided high and detail level solution architect diagram and approach for the server migration form on-premises data center to AWS Cloud Singapore. Complete the server migration project in a success manner. Apart from the Project closely worked with director of IT and director of security and provided/implemented best practices for AWS cloud implementation.

 **Responsibilities:**

* RHEL 5.4, Windows 2003 SP2, Windows 2008 SP2 servers
* Vision Software Double Take tool for server migration
* AWS Direct connect with AWS resources like EC2, EBS, IAM, AWS AMI
* VPC level restriction using NACL and IAM level restriction using policies

**Environment**: **Customer DataCenter and AWS Virtual Private Cloud, Widows 2003 and RHEL 5.4, 6 Version**

**Employer: Stigasoft, Gurgaon Jan 2013 to Apr 2014**

**Role: Cloud Infra Automation (AWS /Infra Solution Architect)**

As an AWS cloud solution Architect, I was involved in understanding the Client requirement and provided high and detail level solution architect diagram and Low-Level Design, worked with the AWS DevOps team to complete the POC in a successful manner. Apart from the POC closely worked with director of IT and director of application and provided detail and high-level architecture and approach for cloud orchestration for providing application environment between SDLC methodologies

 **Responsibilities:**

* Hotel management & customer Loyalty program Application
* Integration with Build servers during automation
* AWS cloud formation template with AWS resources like EC2, RDS, Route 53, S3, IAM
* Ruby Gem & Sparkler formation tools are used
* Multiple AWS accounts used for POC, DEV, QA, UAT, Pre-Prod, PROD & DR

**Environment**:  **AWS Cloud infra, AWS CloudFormation, PHP, HTML5, CSS on LAMP Stack, 2 POC on AZURE**

**Employer: HCL, Noida Mar 2012 to Dec 2012**

**Role: Data Center Migration POC (AWS Solution Architect)**

As an AWS and Infrastructure Solution Architect I was involved in understanding the Australian Banking Client requirement on Data warehouse and Business Intelligent. Provided POC architecture for AWS RDS (Postgres) solution provided for Pinnacle Data warehouse insights.

 **Responsibilities:**

* Insurance & Banking Application
* Hybrid Cloud model using AWS cloud service
* AWS resources like EC2, RDS, KMS, S3, IAM are used

**Environment: Legacy IT Infra, AWS VPC, AWS RDS, AWS KMS and DB2 DB**

**Employer: Syntel, Pune Feb 2010 to Mar 2012**

**Role: Infra Management (Technical Architect)**

Managing a pool of servers hosted in DC which is being used for Production and DR purpose one of the top financial Client in US. Maintaining high uptime with and SLA. Providing solution support for migrating existing application, new POC and RND activities. Also responsible for a Content enrichment Application L2 support.

 **Responsibilities:**

* Storage management using EMC Clarion & Symmetrix and VMAX
* Design, deploy, and operate highly available, highly-scalable, solution in the cloud
* server recovery and administration
* Linux & AIX server building and deployment for provisioning of Oracle and Sybase databases
* To own each engagement and help ensure a timely as well as successfully deliver value

**Environment: Linux, Oracle, Weblogic, RDS, Apache with JAVA dev framework**

**Employer: EDS, Chennai Nov 2006 to Feb 2010**

**Role: Infrastructure Architect DC-UNIX**

As senior in IT Architect I used to manage Physical server, Storage, Network, Application. Handling in-house team for supporting the developer, tester in the SDLC process.

 **Responsibilities:**

* VMWare ESX box, Virtual Center, P2V, V2V
* Research and Development on Web-casting oriented Services

**Environment: Windows, Linux server, NAS Storage, VMWARE ESX, WINDOWS SUS and MOM**

**Employer: Wipro, Delhi Feb 2005 to Nov 2006**

**Role: Infrastructure Management – Virtualization (System Engineer)**

As a system Engineer, I used to manage Banking Client Virtual infrastructure server, Storage, Network, Application. Providing high available solution using VMWare Cluster and Maintaining high uptime with the SLA.

 **Responsibilities:**

* VMWare Cluster & Resource Pools
* VMOTION, VMWare DRS & VMWare HA
* P2V & VCMS management
* SAN & NAS connectivity
* SUN fire X4600 Series Server & HP C7000 Blade servers handle at Data Center
* Technical support on infrastructure & day-to-day Activities

**Environment: Windows, Linux server, VM Virtual servers, NAS/SAN Storage**

**Employer: DI, Delhi Aug 2004 to Feb 2005**

**Role: Infrastructure Administration (System Administrator)**

I used to manage System, network, application of Software company, School and printing press.

 **Responsibilities:**

* Assemble new Computers, Managing & Maintaining LAN and WAN
* Administration of Windows and Novell Servers, Setting Security Policies for Windows NT Network
* Installing, configuring and Customer support service, Troubleshoot

**Environment: Windows, Novell, Printers, Scanner and Network**