**AMIT**

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**Professional Summary**

* I have over 16 years of experience in the field of Infrastructure Architecture, Cloud Architecture, Infrastructure Engineering, datacenter consolidation and migration, design and implementing Disaster Recovery Management.
* Provided Cloud Architecture and Design consulting service for various customers.
* Worked on different RFP’s from the Presales and Technical standpoint.
* Successfully designed, deployed and delivered secure Cloud Solutions for major organizations.
* Performed roles of Solution Architect, technical lead, System Admin, System Integrator, Presales and subject matter expert for variety projects.
* Several years of experience in using, operating and developing on top of cloud infrastructures and services therein, e.g. with Amazon Web Services, Microsoft Azure or Google Cloud Platform (GCP)
* Good understanding on Migrating applications to cloud infrastructures and services like Amazon Web Services, Microsoft Azure, Google Cloud Platform (GCP) or multi cloud deployments

**Education Summary:**

# Master’s in science. Form Annamalai University, India

* Master’s in computer application Form Annamalai University, India
* Bachelor of Commerce from Delhi University, India

**Certifications:**

* Pursuing AWS Certified Solution Architect Professional
* AWS Certified Sysops Administrator Associate
* AWS Certified Solution Architect Associate
* IBM Cloud Solutions Architect v3
* Microsoft Certified Azure Administrator Associate
* Microsoft Certified Azure Fundamentals
* HP-UX Certified System Administrator (CSA)
* HP-UX Certified Advance System Administrator
* NPP-Nutanix certified Professional
* SCSA (Sun Certified Systems Administrator)
* SCNA (Sun Certified Network Administrator)
* MCSE (Microsoft Certified System Engineer)
* Two-year Diploma in Software Management from Aptech Computers Ltd.

**Technical Skills:**

# Infrastructure Architecture

* Develop Architecture and Designs that align to technology strategy and business requirements.
* Design and implementing Disaster Recovery Management for Critical Servers
* Collaboration with different architects and business teams to establish controls, procedures and governance model.
* Investigate new technologies. Perform proof of concepts to evaluate various products, designs and help make decisions.

# Network Operating Systems

* UNIX (SCO UNIX V/SUN Solaris 7.0/8.0/HP-UX 11.x)
* Different Linux Distribution (RHEL/SUSE/Oracle Linux)
* Windows NT 4.0/2000/2012 R2/2016

# Storage

* Good knowledge of NetApp (Network Appliances) Filer storage (NAS).
* Implemented NIS, NFS, Quota, Windows, UNIX user drive sharing, ACL and capacity upgrade on NetApp F740 Filer
* Experience with SAN device HP XP512

**Virtualization:** HP integrity virtual machines, VMware ESX 6.x/5.x

**Converged/****Hyperconverged:** Nutanix, SimpliVity

**Cluster Solutions**: MC Service Guard, VERITAS Cluster Server

**Public Cloud:** Amazon Web Services /Microsoft Azure/IBM Cloud/GCP

**Orchestration Tools:** Ansible, Terraform, chef

**Cloud Management Tools:** AWS Cloud Formation

**Containers:** HP9000, Kubernetes, Docker

**Directory Services** NDS, E-directory 8.5, Active Directory Services, LDAP

**Thin Client Technology** - Citrix Metaframe 1.8/XPE/3.0/4.0

**Languages** - C, C++, Java.

**Scripting Languages** - HTML, DHTML, Shell Scripting

**Database:** SQL Server, Oracle, MS-Access, MySQL

**Hardware**

* Compaq ProLiant, IBM Infinity, HP Servers, SPARC
* Servers, HP C7000 Blade Enclosures, HP Virtual Connect

**EXPERIENCE SUMMARY**

**Duration :** October 2012 – Till Date

**Position Held :** Senior Consultant.

**Organization :** HCL America INC.

**Duration :** April 2011 – October 2012

**Position Held :** Consultant.

**Organization :** HCL Technologies LTD.

**Duration :** March 2008 – April 2011

**Position Held :** Technical Solutions Consultant

**Organization :** Hewlett Packard Pvt. Ltd.

**Duration :** Feb 2004 – March 2008

**Position Held :**Senior System Administrator

**Organization :** ST Microelectronics India Pvt. Ltd.

**VISA Status**: GC(EAD)

# Projects during working for above organizations:

**Procter & Gamble (Remote) Nov 2018 – Till Date**

**Role: Cloud Architect**

* Performed roles of Presale and Solution Architect
* Solution Designing of SaaS offering for four User Experience Application
* Designed the solution on (AWS/ Microsoft Azure / IBM Cloud/ GCP)
* The application to migrate are C2C, Option, Work Blaze, My Ownership.
* Evaluating Cloud provider for the offering.
* VM running in Cloud are mix of Windows and Linux.
* Database would be deployed on MS SQL 2016 Enterprise.
* Configured AD and Microsoft Cluster for Production MS SQL HA
* Cloud solution have Multi Zone availability.
* Cloudflare is used for WAF and DDoS is implementation.
* The Application will be running out of 3 Region (USA, EMEA, APAC)
* Backup configured using Veeam backup service in all regions.
* Services leveraged in IBM Cloud were Virtual Instance/Block storage /Security Groups /IBM Cloud Load Balancer
* The Application will be running out of 3 Region (USA, EMEA, APAC)

**Sempra Energy (San Diego) August 2018 – Till Date**

**Role: Implementation Architect**

* Leverage Nutanix on Dell-EMC for HCI & VMware 6.5+SRM for DC Virtualization & Disaster Recovery
* Migrating VM for exiting HW to Nutanix on Dell-EMC using VMware converter.
* Leverage VMware NSX as Software Defined Network Solution
* Leverage Secondary DC for Planned Maintenance & Disaster Recovery capabilities
* Active-Active, Active-Standby & Active-Failover solutions depending on application requirements between Primary DC & Secondary DC
* Nutanix HCI & Discrete – Targeted Recovery Point Objective – 1 hour (To be tested)
* Cross-vCenter in Enhanced Linked Mode for NSX
* Dedicated network bandwidth for NSX Edge Gateway Traffic (V2P)
* Enable Jumbo Frames on Underlay (Juniper) & Overlay (NSX) Network – MTU 9000
* Minimum of 3-Nodes, Maximum of 10-Nodes per Nutanix Cluster
* 4TB standard data stores from Nutanix Storage Pool
* HYCU backup for Nutanix HCI
* Patching using Nutanix Prism Element, VMware ESXCLI
* Monitoring using Prism Central, vROPS, Integrate with Splunk
* Installing Ansible Tower and using it to manage systems
* Automated configuration management and deployments using Ansible playbooks and Yaml for resource declaration. And creating roles and updating Playbooks to provision servers by using Ansible.
* Written the Ansible YAML scripts to configure the remote servers.
* POC for C2M 3 tire application stack on AWS.
* Services leveraged in AWS were EC2/S3/EFS/Route53/ELB
* Creating and uploading AWS AMIs
* Setting up AWS Autoscaling group for EC2 workloads.
* Using AWS CloudFormation to build application stack

**Estee Lauder (Remote) Jan 2018 – August 2018**

**Role: DR Architect**

* Discovery, Designing and Deployment of DR solution on Microsoft Azure for C2M application stack.
* The OS images getting replicated from ON- on-premise using Rack Ware RMM Enterprise Hybrid Cloud Management.
* VM running in Azure are mix of Windows and Linux.
* The environment is Multi-Tier. (Web-Tier/Application Tier/DB Tier)
* Workload sharing is done using Load Balances.
* Security traffic is managed using Palo-Alto Firewall between the Vnets.
* Authentication is Managed by the AD running on Azure.
* Setting up performance alarms using Azure Monitor.
* Participate in application releases, testing and deployment into production
* Azure virtual networks, networking services, DNS, DHCP, and IP addressing configuration
* Review and analyze the effectiveness and efficiency of existing systems and develop strategies for improving or further leveraging these systems
* Building or migrating SaaS applications and/or PaaS cloud services on Microsoft Azure
* Provide orientation and training to end users for all modified and new systems
* Services used in Vnets, NSG, Azure Application Gateway, Azure Load Balancer, Azure Active Directory, Virtual Machine, Blob Storage
* Configured Azure CLI for Terraform
* Used Terraform to build application and Infra stack

**NXP Semiconductor Manufacturing (Netherlands and Texas) Nov 2016 – Dec 2017**

**Role: Lead Architect for NXP**

* Requirements study
* Solution and BOM designing
* Designing SOW from the technical standpoint and taking Sign-off from customer
* DR solution designing
* Designing new Consolidated projects solutions
* Designed LLD and HLD for the Central Management System
* Oversaw Infrastructure design and solutions being proposed and review them prior to
* Implementation
* Participate in meetings to understand customer requirements, Due Diligence and Proposal presentation sessions
* Responsible for the delivery of engineering solutions to improve cost, quality and productivity of client infrastructure.
* Architecting, designing, implementing and supporting of AWS Cloud-based Applications, infrastructure and its solution architecture.
* Services leveraged in AWS were EC2/S3/EFS/Route53/ELB, SNS
* Setting up workload for LSF Grid Computing Environment On AWS.
* Creating and uploading AWS AMIs
* Setting up AWS Autoscaling group for EC2 workloads.
* Setting up performance alarms using CloudWatch.
* Using AWS CloudFormation to build LSF stack

**Rogers Communications Canada Inc. (Remote) March 2016-Oct 2016**

**Role:** **Implementation Architect**

* Solution designing and BOM designing.
* Solution of DR designing and Implementation.
* The requirement study, design and Implementation.
* Solution designing for Lift and shift and Implementation.
* Migrated the VM’s using VMware converter/Plate spin /Storage Replication
* Doing P2V, V2V migration of all different Linux environments.
* Configuring and Administration of HANFS and troubleshooting
* Analyzing Systems for Critical Patches, applying them and upgrading drivers
* Creation/Migration SAP cluster packages.
* HA environment is VCS/MCSG /CSF/CVM

**Pepsi Co. (Texas) Apr 2014 –September 2016**

**Role: Solution and Implementation Architect**

* Datacenters consolidation across globally, migration planning
* Presentation of technical migration plan to customer.
* Solution designing and BOM designing.
* Solution of DR designing and Implementation.
* The requirement study, design and Implementation.
* Migration of all different environment running in different sector’s (LAR/NA/ASIA/EUROPE)
* Data center consolidation for Virtualization, consists of 300 ESXi hosts and 2000 VMs to a two data center in North America
* Migrated the VM’s using VMware converter/Plate spin /Storage Replication
* Implementation of new Consolidated projects
* Interfaced directly with client executives.
* Configuring and Administration of HANFS and troubleshooting
* Analyzing Systems for Critical Patches, applying them and upgrading drivers
* Creation/Migration SAP cluster packages.
* Storage Migration from XP 12K / EVA 4400 / EVA 8400 to EMC VPLEX.
* Migration platform involves HP-UX 11.v1/11.v2/11.v3/AIX/ SUSE 11.1/3.
* HA environment is VCS/MCSG.
* Configured and Managed DNS and AD in Isolated Zone.

**Clorox Services Company (California) July 2013 - March 2014**

**Role: Solution and Implementation Architect**

* Solution designing and BOM designing.
* Solution of DR designing and Implementation.
* The requirement study, design and Implementation.
* The Change management and Problem Management Process.
* Implementation of new Consolidated projects
* Configuring and Administration of HANFS and troubleshooting
* Analyzing Systems for Critical Patches, applying them and upgrading drivers
* Creation/Migration SAP cluster packages.
* Storage Migration from XP 12K / EVA 4400 / EVA 8400 to Hitachi VSP. Appx Data for 100 TB.

**AstraZeneca (Delaware) Jan 2012-July 2013**

**Role: Solution and Implementation Architect**

* Solution designing and BOM designing.
* Solution of DR designing and Implementation.
* The requirement study, design and Implementation.
* The Change management and Problem Management Process.
* Implementation of new Consolidated projects
* Configuring and Administration of HANFS and troubleshooting
* Coordinating with vendors such as HP, IBM for fixing unresolved issues
* Analyzing Systems for Critical Patches, applying them and upgrading drivers
* Creation/Migration SAP cluster packages.
* Storage Migration from XP 12K / EVA 4400 / EVA 8400 to Hitachi VSP. Appx Data for 5 PB.

**Johnson & Johnson (Remote) March 2008- Jan 2012**

**Role: Solution and Implementation Architect**

* Solution designing and BOM designing.
* Solution of DR designing and Implementation.
* The requirement study, design and Implementation.
* The Change management and Problem Management Process.
* Implementation of new Consolidated projects
* Coordinating with vendors such as HP, IBM for fixing unresolved issues
* Analyzing Systems for Critical Patches, applying them and upgrading drivers

**Hewlett Packard Pvt. Ltd March 2008 – March 2011**

* Managing and leading teams working on OS technologies like Redhat Linux, Suse, HP-UX , Solaris
* Escalation Management- Collaborate and work closely with other cross functional teams to drive timely resolution of customer issues
* Work closely with HPE Engineering teams for product delivery & product quality issues.
* Lead the key projects which were targeted lowering resolution time & improving customer experience.
* Leading the knowledge management efforts on HPE products – Knowledge creation/transfer/tech talks
* Drive Crit-sit calls and Root cause analysis for

**ST Microelectronics India Private Ltd. Feb 2004 – March 2008**

STMicroelectronics is a French-[Italian](https://en.wikipedia.org/wiki/Italy) multinational [electronics](https://en.wikipedia.org/wiki/Electronics) and [semiconductor](https://en.wikipedia.org/wiki/Semiconductor) manufacturer headquartered in [Geneva, Switzerland](https://en.wikipedia.org/wiki/Geneva). It is commonly called ST, and it is Europe's largest semiconductor chip maker based on revenue

**Role: System Engineer**

**(HP-UX to Linux Migration)**

* Mission was to migrate Development, QA and Production environment from HP-UX to RedHat Enterprise Linux. Applications and environments migrated to Linux included:
* The entire project was divided in different phases starting from Proof of Concept (POC), to beta deployment, soft opening and final deployment.
* Achievement of maintaining 200 days of up-time of Linux system.
* Migrating the data from DAS to NAS (Netapp Filer F740).

**Role: Implementation Engineer**

(HP-UX High Availability using Veritas Cluster Server)

* Mission was to migrate EDI Application environment to High availability environment which was running standalone server.
* Two node cluster with one package running on Primary Node.
* The Cluster Runs in Active/Passive mode.
* The entire project was divided in different phases starting from Proof of Concept (POC), to beta deployment, soft opening and final deployment.
* Storage : HP XP-1024

Role: Implementation Engineer

(HP-UX High Availability using MC/Service guard)

* Mission was to migrate Development, QA and Production environment from all HP-UX servers which were running standalone servers to cluster environment
* Two-node cluster with one package each running on all the nodes.
* Other Node act’s as a fail over node for the other node.
* The entire project was divided in different phases starting from Proof of Concept (POC), to beta deployment, soft opening and final deployment.

**Role: Implementation Engineer**

**(Citrix Farm Migration)**

* Citrix farm migration from Citrix Metaframe 1.8 to Metaframe XPe, and further to Metaframe Presentation server 3.
* This server farm included 16 Windows 2000 Advanced Server serving to more than 1500 Users. The architecture of the farm is designed to load balance among servers and high-availability.