

VIVEK VARGHESE CHERIAN

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OBJECTIVE

To discharge the entrusted functions effectively and efficiently, to get to a position from where I can contribute creatively towards the development of the organization and to constantly improve and update myself to become an asset for the organization through intelligent application of knowledge and continuous learning.

PERSONAL SKILLS

- # Dedicated and goal oriented.
- # Willingness to constantly learn and rapidly acquire new skills.
- # Comprehensive problem-solving abilities.
- # Exceptionally strong cross-functional skills.
- # Team facilitator.
- # Excellent verbal and written communication skills
- # Ability to deal with people diplomatically.

TECHNICAL SKILLS

- # Innovative Senior Technology Leader
- # Ability to create Products and Solutions out of Ideas.
- # Excellent R&D Skills.
- # Thought Leader on Emerging Technologies.
- # Hands on Architect and Developer
- # In Depth knowledge of Algorithms, Design Patterns, Data Structures, Operating System I/O, Concurrency, Networking, Object Oriented, Functional principles.
- # Information Security Expert.
- # Good understanding of the Unix way of problem solving.

PROFESSIONAL AFFILIATIONS

- # Association of Enterprise Architects (AEA)
- # Association of Computer Machinery (ACM)
- # Institute of Electrical and Electronics Engineers (IEEE)
- # USENIX, the Advanced Computing Systems Association.
- # The League of Professional System Administrators (LOPSA)

ACADEMIC PROFILE

- # B.E in Mechanical Engineering from Kuvempu University, Karnataka
- # AISSCE (C.B.S.E) from Mahatma Gandhi Public School, Kochi, Kerala
- # AISSE (C.B.S.E) from Chinmaya Vidyalaya, Tripunithura, Kochi, Kerala

ADDITIONAL QUALIFICATIONS

- # Programming in Java (Core Java), NIIT
- # Advanced Java Programming for Web Development(J2EE), NIIT
- # Red Hat Certified System Administrator (# 100-173-327)
- # Cisco Security White Belt

AWARDS

Topper of LTI ILead Plus Next Generation Leadership Program: Topped the 2018-2019 batch of next generation leadership Training Program at LTI.

Best performer Award at LTI: Exemplary performance in the Cloud & DevOps competency practice teams.

Best Performer Award in Tech Mahindra for developing competency in OpenStack by KM Artifacts, internal training, and team building. Drove the development and integration of OpenStack components by coordinating with partners and the OpenStack community and delivering end to end solutions. Architect and deploy client virtual data center and software defined storage virtualization solutions based on Ceph and integration with Openstack / Vcenter/HyperV/XenServer.

Most Valuable Player at CSSCorp Most Value Player as part of the CSSCorp Open Source Services Practice Team. Co-Authored the OpenStack Beginner's Guide Essex Release. Responsible for multiple internal OpenStack and Eucalyptus deployment across multiple verticals. Solutioned for multiple hybrid cloud setups for multiple clients.

PROFESSIONAL PROFILE

Moxo (April 2021 – June 2022)

#Role: Lead Solutions Architect

Enterprise Architect Role:

Architect enterprise solutions based on business, application, data, and all technical architecture domains as per standards.

Adopt the Architecture development method (ADM) and provide a tested and repeatable process for developing architectures.

Create deliverables, artifacts and building blocks as the work product of the Architecture development method.

Ensure Enterprise Continuum to ensure generic solutions are leveraged and specialized in order to support Moxo.

Create the Architecture repository to ensure that the architect team is empowered to leverage all relevant architectural resources and assets in developing an organization-specific architecture.

Establishing and Maintaining an Enterprise Architecture Capability in Moxo.

Ensure that the Moxo Enterprise Architecture is compliant to standards like TOGAF and frameworks like Zachman and other relevant frameworks on a as is needs basis.

Collaborate with various stakeholders from business, development, operations, partners, vendors to define enterprise architecture blueprint.

Lead a team of solution architects to provide feasible enterprise strategy compliant solutions that is flexible, scalable and capable of synchronizing with continuously changing business requirements.

Participating (directly/indirectly) in developing policies, guidelines and standards that steer the development, selection, application and utilization of IT within Moxo.

Overseeing the design, implementation or delivery of processes, programs and policies using specialized knowledge and skills.

Responsible for facilitating the Architecture Review process.

Responsible for establishing technical credibility in the sales cycle (personally or with the broader technical team) by supporting discussions across our customers and partners.

Educate customers of all sizes (Both large Enterprises and SMEs) on the value proposition of Moxo, and participate in deep architectural discussions to ensure solutions are designed for successful deployment.

Capture and share best-practice knowledge amongst enterprise architect community.

Author / contribute to Moxo customer-facing publications such as whitepapers/blogs.

Architect solutions leveraging variety of technologies including solution development and potentially demonstrate technical feasibility through mechanisms including proof-of-concepts and/or prototypes.

Build deep professional relationships with senior technical stakeholders within the client organization to empower them position and deploy Moxo internally across multiple verticals.

Technical liaison between customers, service engineering teams and support.

Serve as a technical domain expert for end-to-end solution delivery.

Demonstrate highly visible connect across technical and non-technical audiences in the industry, including senior executive level stakeholders and clients.

Demonstrate competencies in designing, building and owning enterprise-grade solution accelerators that facilitate business, including processes.

Skilled and passionate at designing and building software that meets the industry standards within the associated regulatory environments; expert knowledge of supporting applications and infrastructure.

Demonstrated capability to research, define, and develop solutions accelerators and other assets using Digital engineering, Cloud, Data, Digital integration, DevOps, Big Data, AI, ML.

Experience architecting and deploying Cloud/Virtualization solutions, data platforms, digital integration and experience platforms for enterprise customers.

Technical Account Manager Role (Cloud/ DevOps/Products)

Lead Technical Account Manager responsible for end-to-end solution delivery for major BFSI clients across multiple markets. This involves complex SI / multi - country roll outs, Greenfield / Brownfield Implementations.

Set architectural direction, builds consensus, mediates conflicts providing technical leadership and advisory services to the business. Anticipate needs and potential objections and helps to create an environment which solicits positive contributions from all participants: Solution and Technical Architects, engineering teams, product manager, project managers, product analysts, test and project teams, Information Security and Operations.

Work with architecture leaders and peers, business stakeholders/clients, product owners, project managers, product managers, engineers, product analysts and business stakeholders to drive the product's progress and ensure success.

Facilitate with the software development team, integrate the components, drive the cloud and hybrid architecture discussions with customer technology teams to ensure that the solutions delivered are successfully deployed.

Technologies used are REST APIs using Java, J2EE, Spring Boot. SDK development in Java for Android, Objective C for iOS, Java script, JSON, Cordova, Nginx, HA Proxy, Tomcat, Ansible.

Evaluating Angular, Node.js, React based Cloud native, Microservices requirements from clients for feasibility with Moxo.

Chief Architect responsible for the Cloud Native Architecture design, deployment, and support on AWS, On Premise and Hybrid.

Current AWS Services used are Virtual Private Cloud (VPC), Elastic Compute Cloud (EC2), Simple Storage Service (S3), Relational Database Service (RDS), Elastic File System (EFS), Elastic Load Balancer (ELB), Certificate Manager (ACM), Route 53(DNS).

Currently in a PoC phase for feasibility checking the Moxo application refactoring into microservices and exploring Kubernetes, ACS, AKS and exploring serverless computing with AWS Lambda.

Responsible for end-to-end product on boarding on multiple clouds for various clients.

Currently heading the Cloud onboarding journey of Moxtra using Ansible playbooks and Python. This journey is phased into setting up, rolling back to an existing environment, auto scaling the setup as well as removal of the setups on demand.

Architecting storage and backup solutions based on AWS Object storage for BFSI clients. CyberArch for storing secrets, Hybrid Enterprise Information archiving using AWS Object storage and a in house block storage solution.

Mentoring the DevOps team. Technologies uses are Java, J2EE, Eclipse, JIRA, Maven, SonarQube, Jenkins, Rundeck, Ansible. Openshift.

DevSecOps Architect responsible for end-to-end security life cycle of Moxtra Software development life cycle. Implemented a maturity model based on end-to-end security including DevSecOps Strategy, Phased migration to DevSecOps maturity model, DevSecOps culture of collaboration between Developers, Infrastructure team and Security team.

Plan the security landscape and perform impact analysis, code security using pre commit hooks, SAST, build security using Software component Analysis, Testing for authentication, SQL Injection and DAST, Secure release using access and configuration management using Terraform, Deployment level testing using chaos engineering and Penetration testing, Monitoring including log collection, SIEM, RASP, Rapid response team including block attacks and roll backs.

Agile/Scrum/Scum of Scrum Master across multiple projects responsible for Project planning using Kanban, project delivery using Epics, Sprints, daily standup calls, sprint planning, sprint retrospectives and backlog refinement. Part of various Scrum of Scrum calls and lead the daily Scrum calls across multiple cross functional teams.

Lead Solution Architect Role:

Design and implement Moxo solutions for customers and partners globally.

Lead a diverse group of cross functional senior project stakeholders and members towards successful delivery of projects.

Lead the end-to-end technical design of the solution to be implemented from pre-sales stage to go live and cross functional co-ordination with internal and external stakeholders to ensure timely and quality delivery of the solution.

Lead a team of Solution consultants and ensure end to end delivery as per customer expectations.

Manage the Technical Support team that focuses on troubleshooting of production technical issues and build a knowledge base of such issues and resolutions.

Contribute thought leadership to the evolving Moxo platform in line with market trends and requirements.

Create innovative and practical designs that account for the end-to-end technical solution of a system, in line with the business strategy and objectives and within the context of Moxo's technology environment.

Works closely and continuously with the business/client to focus on meeting business/client requirements and incorporating broader aspects such as overall product costs/revenue, data privacy & sovereignty, business continuity, information security, integration with other systems, etc.

Ensures relevant technical strategies, policies, standards, and practices are applied correctly across Technology programs/projects and products.

Convert business and technical requirements into technology solutions.

Balance what is strategically right with what is practically realistic by balancing the risk to the project, product or to Moxo.

Expert in defining, designing, and developing distributed and scalable products and services.

Program management, collaboration, interpersonal and communication across various stake holders.

Strong collaborator – willingness to share ideas, documentation, and leading practices.

Conceptual and analytical thinker – ability to extract, analyze, and document complex business

and technical requirements/strategies.

Gather Business requirements and deliver architecture & technical design documents that support these requirements.

Kinetix Trading Solutions (Aug 2019 – June 2020)

Role: Senior Solutions Architect

Senior leadership role with focus on thought, technology, and business leadership, end to end solution delivery, manage a team of junior architects, liaison with the vendors and clients, deployment, building teams and managing solutions with extensive hands-on program management, cloud architecture / deployment and support. Additional areas of responsibility include Big Data, Machine Learning, Artificial Intelligence.

Deliver using best practices for enterprise architecture functions such as Security, Performance, Development Process, and Application Governance

Drive project delivery excellence within the business segment through established Enterprise Architecture standards for platforms across application, integration, security, and data migration domains

Research and innovate continually recommend improvements to development techniques and approaches, data-related technologies and standards and governance resources and processes.

Lead, advise, and mentor diverse teams in technical and functional delivery aspects at the enterprise, using influence and adaptive communication strategies

The company develops an in-house risk assessment product used by large banks and I am responsible for co-ordination of code re-factoring and providing recommendations to make the application micro services ready and cloud enabled.

Technologies used are Java, J2EE, Spring, Spring Cloud and Python, and various CI/CD tools including Git, Bitbucket, Jenkins, Sonarcube, Openshift, Azure Cloud, Google Cloud (GCP), Terraform, Kibana, Elastic Search, Docker, Kubernetes.

Machine Learning using Python, Numpy, Pandas, Deep Data Analysis using Tensor Flow, Natural Language Processing. Raw Document Analysis, Models Creation, Trends generated in Natural Language.

Machine Learning Technologies used are Python, Pandas, Scikit Learn, Spacey, gensim, matplotlib, numpy, cherrypy flask, nltk, seaborn, itertools collections, tensor flow,pytorch, keras, tika, json, pdfminer.

Big Data technologies used are Hadoop, Hive, SQL SQLoop, Spark, Scala and Archadia.

Block Chain Technologies are Hyperledger Fabric, Ethereum, Corda.

Lead a geographically distributed team for a large MNC Bank and ensured that the application development and support issues were managed within SLAs.

Kinetix DevSecOps Team

Conceptualized the DevSecOps Strategy, created, Implemented the strategy internally and ensured resources are identified for the role and ensured end to end delivery of solutions including user story creation, task allocation, and follow up till completion.

Conceptualized and implemented a DevSecOps readiness assessment portal with REST interfaces using Python, Django, Angular

The technologies proposed for the pipeline were AWS, Azure Cloud, Git, Bit Bucket, Jenkins, Artifactory, Sonarcube and OpenShift.

Kinetix Cloud Team

Conceptualized the DevOps / Cloud Strategy, Implemented the strategy internally, Solutioned for the in-house product as well as for external clients.

Ensured that cloud resources were identified, groomed, and handed over tasks via user stories and followed up till completion.

Conceptualized and implemented a DevOps readiness assessment portal with REST interfaces using Python, Django and interfaces using HTML-CSS, Angular.

Hand on as well as Hands off approach to cloud related solutions.

Deployed an in-house OpenStack Victoria Private cloud as part of the CoE and migrated the core product and it is being tested.

DevOps Architect for an International Bank (internal client)

Developed Solutions and ensured that applications were migrated to micro services architecture, Containerized and DevOps ready with tools like Bitbucket, Jenkins, Artifactory, RLM, OpenShift.

Recommended Automating Infra related tasks with Chef and Ansible.

Cross functional leadership and task delegation to team members as well as Scrum Master for the Team.

Larsen and Tubro Infotech (May 2016- Aug 2019)

Role: Solutions Architect

LTI Delivery Excellence Team (Multiple Internal Clients)

Single Point of Contact for Agile/DevOps Processes for the LTI CMMI Audit 2019.

LTI DevOps Practice (Multiple Clients)

Provided DevOps maturity assessment and roadmap, tools standardization, pipeline creation, DevOps environment setup, DevOps as a Service, DevOps Support and mentoring.

Headed a team that created an integrated DevOps portal providing real-time visibility into the life cycle of application along with portfolio level business insights and drill down traceability into the entire value chain.

The technologies used were REST interfaces, UI interface using HTML-CSS, JavaScript, Angular JS (Client Side), Node JS (Server Side).

DevOps Consultant Architect for multiple LTI clients, OTIS, CitiBank, Chevron, Warner Brothers, NETS, Viacom, Nordia.

Developed DevSecOps and DevOps for Big Data, DataOps Competency for LTI.

Developed Cloud Native Applications in DevOps Model and deployed them over AWS, Google Cloud, Microsoft Azure, Pivotal Cloud Foundry, Red Hat OpenShift, OpenStack Private Cloud.

Microservices Based Application Deployment using containers, Docker, Kubernetes.

Full Stack Architect for various in LTI house applications spanning multiple frameworks Java, J2EE, Python.

Responsible for recruiting, reskilling, and leading a team of 150 geographically distributed resources and ensuring that projects are delivered in an Agile fashion. Scrum Master of the DevOps Practice Team.

Part of the Technical Advisory committee reporting directly to the office of the CTO.

CitiBank (LTI Client)

Citibank had a requirement for a Single Point of Contact (SPOC), a Senior Project Manager for Service Desk and Command Center for managed hosted services (MHS) for a suite of applications classified as Imass and Channels.

The following tasks we streamlined, and escalations were eliminated

- 1) Created Processes to Stream line support operations.
- 2) ROTA(Roster) creation was optimized, and associate attendance was ensured.
- 3) Root Cause Analysis Reports were enhanced to cover all possible causes with efficient solutions.
- 4) A Team of 200 junior and mid-level associates around multiple geographical locations, Chennai, Bangalore, Pune, Mumbai, and the US directly reported to me, and I ensured that the team was efficiently managed, and that team morale was high
- 5) Processes Management in terms of daily plan creation for each member of the team, task allocation, dynamic re-allocation, understanding customer expectations and speedy resolutions within SLAs and customer feedbacks were used to enhance processes further.
- 6) Part of the Leadership Team that performed the MHS Organizational Transformation and ensured a proper leadership team was created to manage day to day operations.
- 7) Ensure Knowledge Artifacts were created and maintained as per Client Process Standards and ensured that Knowledge Base was linked to each issue resolved.
- 8) Ensured that metrics were generated using Service Now and insights about process optimization we put in place.

Komatsu (LTI Client)

End to End Solution Design for a Green Field US Setup for the NPS Application Suite of Komatsu which includes IBM Main Frames, Microsoft Windows Compatible Servers, WebSphere, and IIS Application Servers, DB2, Oracle Databases, and NetApp Storage. This included studying the current infrastructure, identifying gaps in the current infrastructure, propose changes to the current infra in the target Greenfield infra setup in the US DC, ensured solution design for 99.99 HA and DR, provided a cost optimized solution to the client.

Standard Chartered Bank (LTI Client)

Provide end to end Software and Infrastructure Solutions including requirements gathering in an Agile model, Freezing Requirements, Creating Architecture Diagrams, Freeze the Application Tier Components to be deployed and versions to be used, liaison with various Application Tier Teams and project stake holders, External Vendors, Analyzing submitted vendor quotes and recommending the best one, creating Statement of Work (SOW), Bill of Materials (BOM), Generation of Quote. Ensure the Solution Architecture Document sign off from various stake holders before moving it to Testing across the various Testing, Production/DR instances across geographically distributed HA Infra across 20+ countries.

Liaison with the Vendor Data Center/Application Solution Planners and Oversee Deployments and Support of the Recommended Solutions.

Facilitate close interactions between internal cross-functional teams including Program Management, Product, Engineering, and Operations to align solutions with Bank platform features and Road map.

Technical Advisory Panel member for Cloud Strategy creation and phase by phase implementation across multiple products.

Tech Mahindra (September 2014 – December 2015)

Role: Technical Architect

During my tenure in Tech Mahindra, I have handed client engagements for 2 major clients, Cisco and Verizon and a host of other smaller clients.

During my tenure with Cisco, I was a Techno Manager for a team of Senior Technical Leads to architect, deploy and maintain a virtual Datacenter running in the onsite Cisco Data Center. The technologies used include Ubuntu Linux, Red Hat Enterprise Linux, KVM, VMWare, Xen, OpenStack, Ceph and the hardware included Cisco Nexus as well as Cisco UCS Blades. I was responsible to architect and deploy a solution which consisted of Cisco Virtual Devices orchestrated using OpenStack Heat running over the latest versions of OpenStack using KVM, VMWare and XenServer, HyperV as Hypervisors and Object, Block and File storage performed on Software defined storage solution based on Ceph. The setup was highly available both from an OpenStack perspective as well as Software Defined Storage perspective.

With Verizon, I worked as an Architect assisting them deploy 12 factor cloud native applications based on cloud maturity model.

As part of the core OpenStack Competency Team of Tech Mahindra Cloud team, I developed and was responsible for driving the go to market strategy around OpenStack and OpenShift.

Syntel (Jan 2014 – September 2014)

Role: Technical Specialist

Responsible for end-to-end Architecture and deployment of OpenStack including automation and orchestration for clients.

Will work in labs to understand and implement the latest versions of OpenStack.

Keep abreast of industry trends and advancements in Cloud/Data Center orchestration area.

Responsible for tasks allocation to resources, following up on progress, facilitate regular team meetings, discuss, and review targets and co-ordinate with the appropriate project stake holders.

Act as the point of technical escalation and resolution during the project life cycle as it relates to technical decisions.

Requirements gathering, based on technical services group standards and procedures and discussions with project staff, industry experts and technical vendors.

Assistance in scoping, identification of project deliverables, and driving the creation of project specific functional specifications, technical specifications, etc.

Pro-actively worked with delivery team to ensure that appropriate staffing resources are assigned, put in place, and effectively utilized at the appropriate time.

Qualify and provide definition to technical strategy by performing evaluations and assessments on the various technical aspects of Intellectual property development activities in the Cloud CoE lab.

Work with quality assurance resources to create test plans and ensure that issues are properly assigned, fixed, and regressed.

Provide technical consultancy to project staff and participate in business development efforts including proposals, Proof of Concepts, development plans and presentations.

Hands on creation of Puppet Modules as per best practices for end-to-end infrastructure and application deployment and monitoring using Nagios and insights generated for predictive analysis.

CSSCorp Pvt Ltd, Chennai (Aug 2011 – Dec 2013)

Role: Application Specialist/Technical Lead

Job Profile:

Creating/Enhancing/Sustaining solutions using various Open-Source Products (developed by CSSCorp channel Partners like Canonical) as well as in house proprietary products developed by CSSCorp.

Interaction with Technology partners on one side and client/prospects on the other and design and develop solutions based on client requirements.

Full stack development with Python and Flask/Django and SQL and NoSQL databases

Infrastructure Visualization with KVM, Qemu, VirtualBox, LibVirt, Xen, VmWare.

Design public and private cloud computing solutions with Amazon Web Services, OpenStack, Eucalyptus.

Co-Author of The OpenStack Guide (Essex Release) which was accepted as the official guide at openstack.org

Server provisioning, deployment, hosting, managing and orchestrating data center infra-structure services with software suite like Ubuntu Orchestra (Metal as a Service)

Deployment, scale, control service applications like OpenStack with Ubuntu Juju and CSSCorp Hapx.

Centralized server monitoring with tools like Nagios and providing new server resources and scaling them as per requirement.

Automated Configuration management with CfEngine3, Puppet.

Created a document to secure the bare metal and cloud Infrastructure of CSSCorp by Server, Platform and Application hardening which involves automated operating system updates, Custom designing firewalls based on NetFilter/IpTables Access Control Policies, Implementing SE Linux and Apparmor level restrictions, File system level encryption with ecryptfs, Intrusion Detection systems (snort,aide,tripwire), Data Leak Prevention, Secure Deletion, external security Audit via OpenVAS.

Training and mentoring the Delivery Team on the Solution stacks developed.

Deploy an internal private cloud based on Eucalyptus/OpenStack

Conduct technical interviews as a Subject Matter Expert.

Assisted the Systems Team in setting up a centralized device monitoring system using syslog-ng.

Represented CSSCorp in various technical seminars as a corporate evangelist and Private cloud deployment expert.

Setup single and multi-node Deployments of OpenStack for clients and deployed applications.

Developed organizational competency in Software Defined network (SDF) virtualization (Neutron) and mentored trainees to get familiar with the setup.

Netcore Solutions Pvt Ltd, Mumbai (Sep 2009 – July 2011)

Role: Senior System Administrator

Job Profile:

Remote Email Administration of Globally Distributed IDC Hosted, High availability, High volume Email Infrastructure of Netcore which includes redundant, clustered and load balanced Email and Anti-Spam/Anti-Virus Services of Netcore for High Priority Clients like the Taj Group of Hotels, HDFC Bank, Prudential ICICI Asset

Management, ShareKhan, Cipla, JustDial, Ezeego, Cox and Kings, Raymonds, Sparsh BPO, Parle Agro.

Technologies used were RHEL, Centos, Ubuntu, Postfix, Spamassassin,

Programming languages used were PHP, Perl.

Remotely Install and Configure Mail Archiving Solutions of Netcore based on Mail Archiva.

Mentor Junior Systems Administrators so that they get familiar with the Dynamics of the Team.

#Ocricket (Nov 2008-May 2009)

Role: System Administrator

Managed the Ocricket cloud infrastructure on AWS and was part of the development Team that developed a Python Django based social media application prototype for Cricket.

#Directi Internet Solutions Private Limited. (Mumbai) (Nov 2007- Sep 2008)

Role: Systems Administrator

Job Profile

Installation, Configuration & Management

Configuration and administration of all corporate Windows and Linux systems.
High volume Linux/Windows Web/Mail/Database Servers setup and maintenance.
Monitoring & developing better monitoring and notification policies to maximize uptime.
Run frequent security checks on the servers.
Troubleshooting complex support issues.
Summarizing reports for senior System Administrators.
Ensuring automated backups.

Pre - Deployment testing.

Package building and manual deployment techniques.
Basic log analysis and debugging from that.
Log monitoring & reporting.
Running basic SQL queries to ensure that databases are up and tables are not locked.

Infrastructure management

Monitor load averages, System Load, Uptime and suggest upgrades/fine tuning to the systems.
Help desk management
Monitor support requests & identify common problems and develop permanent solutions.
Monitor problem resolution response times and cut time spent on problems by finding innovative automated ways.

Automation

Identifying manual/repetitive tasks and automating it.
Automate product installations & central systems configuration management.

Documentation

Documenting processes, troubleshooting information, problems and their resolutions.

Vendor management

Co-ordinate with data centers to troubleshoot network, server hardware problems.
Co-ordinate with ISP's, Office infrastructure related vendors in resolving issues related to Internet connectivity, Phone lines etc.

Escalate problems internally to superiors as well as with vendors superiors according to the escalation charts defined.

Research & Development

Evaluate software/hardware products (Free/Commercial) as per management's needs.
Prepare & present proposals with respect to systems/software infrastructure.

Task Delegation and Mentorship

Act as the point of escalation for junior Systems Administrators (Systems Operators)
Task Delegation to Systems Operators and Junior Systems Administrators
Mentor Fresher Systems Administrators and assist them in getting familiar with the technical and professional expectations of the company.

DeepRoot Linux Pvt Ltd (Bangalore) (August 2007 - October 2007)

Role: Free/Open-Source Software Engineer/ Technical Support Engineer.

Job Profile:

Get involved in the various Free/Open-source development efforts both at DeepRoot Linux Pvt Ltd professionally and elsewhere as a means of contributing to the Free/Open source Movement.

Work on designing solutions for customers who want to use Free/Open source software so that they can use the company's products effectively.

Lead training programs so that helps clients build their Free Software skills.

Provide Pre-Sales and post-sales technical support assistance and support to customers.

#DFI Software Private Limited (Cochin. Kerala) (Feb 2007-July 2007)

Role: Technology Infrastructure Engineer

Job Profile:

Building, maintaining and supporting the technology infrastructure needed for the smooth Operation of the Cochin office, covering computer hardware and installed software, VPN Networking with the US office, VoIP infrastructure and related aspects. Infrastructure Components of Data Foundation's commercial software products, including Java application server support, database support, installation packages and processes.

#Hifx IT and Media Services (Cochin,Kerala) (March 2006 to Feb 2007)

Role: Technology Content Developer / Open-Source Subject Matter Expert

Job Profile:

Implemented Open-source solutions like FreeBSD/ Debian Domain Controllers based on Samba.

FTP servers using Vsftpd , Web servers using Apache. Databases using MySQL. Database management using phpMyAdmin.

Create learning content and course ware material for topics in Free/Open source technologies for The Virtual Training Company (<http://www.vtc.com/>)

Stay current with the newest Open-Source technologies, research new Technologies in open-source realm and make recommendations on training titles and methodology.

Collaborate with systems and development staff to collect and interpret technical information.

Collaborate with business analysts, Web designers, and software developers to ensure prototypes can be efficiently implemented.

#The IndLinux Project (Jan 2002- March 2006)

Role: Systems Administrator/Technical Documentation writer

HARDWARE / NETWORKING SKILLS

Assembly and troubleshooting of custom-made PCs with GNU/Linux operating system pre-installed for multiple clients.

Setting up of corporate networks including VPN Networks, Firewalls, DNS, Security and access controls.

OPERATING SYSTEMS

Red Hat Enterprise Linux,Ubuntu, CentOS, Rocky Linux, Debian GNU/Linux, FreeBSD, Microsoft Windows, MacoOS, OpenBSD

PROJECT PORTFOLIO

End to End Solutioning of Moxo across multiple markets.

Role	Lead Solutions Architect
Team Size	10
Duration	1 Year

Moxo cloud onboarding

Role	Lead Solutions Architect
Team Size	10
Duration	1 Year

Application Migration to micro services architecture

Role	Senior Solutions Architect
Team Size	10
Duration	1 Year

Developed a Federated Hybrid Cloud Management Interface based on Python Django

Role	Solutions Architect
Team Size	10
Duration	1 Year

Re- factored Legacy Application code for Multiple applications for the Cloud

Role	Solutions Architect
Team Size	10
Duration	1 Year

Hybrid Federated Clouds with IaaS and PaaS (AWS, OpenStack, Azure, Cloud Foundry)

Role	Solutions Architect
Team Size	5
Duration	1 Year.

Developed Puppet and Ansible Modules for Automation and Orchestration of CI/CD Environment

Role	Solutions Architect
Team Size	5
Duration	1 Year

Developed and Deployed Video Banking Application and HA/DR Infrastructure for an International Bank

Role	Solutions Architect
Team Size	20
Duration	1 Year

Developed and Deployed Mobile Banking Application and HA/DR Infrastructure for an International Bank

Role	Solutions Architect
Team Size	20
Duration	1 Year.

Developed Mobile Banking API

Role	Solutions Architect
Team Size	10
Duration	1 Year.

Core Member of Open Stack Infra Team

Role	Technical Architect
Team Size	10
Duration	6 years.

Core Member of OpenStack Debian Team

Role	Core Member
Team Size	10
Duration	6 years.

Core Member of GNOME Infrastructure Team

Role	Core Member
Team Size	`5
Duration	1 Year

12 Factor Application Deployment based on Cloud Maturity Model

Role	Technical Architect
Team Size	7
Duration	3 months.

SDN/NFV Virtual machine farm based on OpenStack Virtual Data Center.

Role	Technical Architect
Team Size	4
Duration	6 months.

Puppet Module development.

Role	Technical Specialist
Team Size	2
Duration	3 months

OpenStack Data Center Implementation

Role	Technical Specialist
Team Size	3
Duration	2 months.

Co-Author of the Open Stack Beginners Guide (Official guide of openstack.org)

Role	Application Specialist
Team Size	5
Duration	4 months.

Installation and configuring of Mass Mailing Setups with phplists

Role	System Administrator
Team Size	5
Duration	2 Months

Installation and configuration of Mail Archiving Solution based on Mail Archiva for compliance.

Role	Systems Administrator
Team Size	1
Duration	2 days.

Multiple Installations and configuration both as a product and also as a service of an Integrated Enterprise Email. Proxy/Content Filtering, Firewall and Chat Server Administration suite based on Postfix, Mail scanner, Spam Assassin, Milter, Cyrus, Squid, Dans Guardian, Jabber, OpenLDAP.

Role	Systems Administrator
Team Size	1
Duration	6 months

#Systems Administrator of ShareKhan (www.sharekhan.com)

Role	Systems Administrator
Team Size	8
Duration	6 Months.

Systems Administrator of the Taj Group of Hotels (www.tajhotels.com)

Role	Systems Administrator
Team Size	8
Duration	6 Months

Set up Mailman on a Postfix server with SMTP AUTH enabled.

Role	Systems Administrator
Team Size	1
Duration	2 days.

Systems administrator of NASSCOM (www.nasscom.org and www.nasscom.in)

Role	System Administration team member.
Team Size	5
Duration	8 months.

Installed and configured RT (request tracker).

Role	Team member
Team Size	2
Duration	2 weeks.

Iptables firewall upgrade for the DeepOfix Mail Server

Role	System Administrator
Team Size	2
Duration	2 weeks

Installation and configuration of Squirrelmail for a client named Aaliptha systems.

Role	Team Member
Team Size	1
Duration	1 day.

Mail server (DeepOfix) with Qmail, Qmail-LDAP, Courier-IMAP, Courier-POP3, Clamav, Spamassassin, Dovecot, Webmail.
The mail server will have a custom build front end called EasyPush. (DeepOfix from scratch project)

Role	Team Member
Team size	4
Duration	2 Months.

OpenLDAP deployment.

Role	Team Member
Team size	2
Duration	3 weeks.

Deployment of a meta data software for a US Company (Data Foundations Inc) on a Jboss application server running on a Debian GNU/Linux Machine.

Role	Team Leader
Team size	2
Duration	2 Months

Setup and maintenance of internal communication using Internet Relay Chat (IRC) for Datafoundations Inc

Role	IRC Administrator
Team size	2

Samba Training module

Role	Technology content developer.
Team size	3
Duration	3 months.

Debian GNU/Linux Training module

Role:	Technology content developer
Duration	6 Months

Developed a training module for the Koha Library Management Software.

Role:	Team Leader
Team Size	3
Duration	2 Months.

Systems Administrator of IndLinux Project (www.indlinux.org)

Role	Systems Administrator
Team Size	2
Duration	Till date.

TECHNICAL AND GENERAL WRITINGS

Website: <http://vivekcherian.net>

My Blog: <https://vivekvc.wordpress.com>

PRESS COVERAGE

#The Hindu Business Line (dated Jan 15, 2011) : <https://www.thehindubusinessline.com/todays-paper/Wikipedia-turns-ten-users-seek-more-regional-content/article20315763.ece>

FOSS (Free/Open Source Software) Community Activities

- # Former Volunteer at OpenStack Infra Team and OpenStack Security Team
- # Former joint coordinator of the OpenStack India Community
- # Former Founder and Co-coordinator of The FOSS India Collective
- # Former coordinator of Free/ Open Source Software User Group (FSUG)-Kochi.
(<http://gna.org/projects/fsug-kochi>)
- # Former Web master (<https://www.gnu.org/people/past-webmasters.html>)
- # Former GNU Savannah Administrator. <http://savannah.gnu.org>
- # GNU contribution credits: <http://www.gnu.org/fry/happy-birthday-to-gnu-credits.html>
- # Former Volunteer System Administrator at the Wikimedia Foundation

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REFERENCES: - Available upon request

I hereby declare that the above written particulars are to the best of my knowledge and belief.

Vivek Varghese Cherian