

Lalinikant Chhotray

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Current Location: HYDERABAD, INDIA



Professional Summary

14 years of expertise in software development and production settings, as well as 5 years of AWS DevOps experience in designing, building, and operating big cloud-based infrastructure projects with outstanding troubleshooting abilities, as well as infrastructure automation using Terraform. Capable of delivering effective results in high-pressure, deadline-driven circumstances. Offering mentorship and advising in AWS Cloud, WAN infrastructure, and network operations on a worldwide scale inside the organization.

Have in-depth working experience in the following domains with Project implementation:

▪ VPC, IGW, NAT GW, VGW, TGW, S3, EKS	▪ TERRAFORM, Cloud Formation
▪ Lambda, API GW, NLB/ALB, CDN, SQS, SNS	▪ DOCKER & KUBERNETES
▪ CloudWatch, Grafana, Nagios.	▪ Cisco Routing & Switching
▪ Python, Shell scripting, YAML, JSON	▪ Checkpoint Firewall Administration

Technical Skills

Cloud Platforms	AWS, EC2, RDS, DynamoDB, AWS Lambda, API GW, S3 Buckets, AWS ELB, SNS, SQS, Route53, CloudFront, VGW, TGW, Direct Connect.
Scripting/IaC	Terraform, Python, CDK, CloudFormation
Container Platforms	Docker, Kubernetes, ECS, AWS Fargate, EKS
CI Tool	Git, GitHub, Jenkins, Atlantis, SonarQube, AWS CodePipeline
Networking	IPSec, VPNs, S2S VPNs, Router & Switch Configuration, Cisco Firewalls.
Operating System	Windows, Linux, Ubuntu, RHEL, Cent OS
Monitoring Tools	CloudWatch, Grafana, Nagios.
Firewall	Checkpoint R77.30, R80.40, R81.10

Professional Experience

October 2022 – Till Date

WIPRO Limited

Role: Infrastructure Architect (Associate Project Manager)

Project: GTAA(Greater Toronto Airport Authority)

Project Description:

Toronto Pearson International Airport is managed by the GTAA in Toronto, Canada. Designing and coordinating project implementations utilizing automation technologies to upgrade the airport's IT infrastructure and operations by utilizing AWS services. Managing AWS Cloud based applications which are fully Serverless & Event-based.

Responsibilities:

- Oversee and manage the AWS accounts that hosts all of GTAA's services and applications in an environment that is event-driven and serverless, supporting Digital Signage Applications.

- Designing and provisioning AWS infra through IAC using Terraform modules & CloudFormation templates.
- Verify the security of the collaboration and interactions between the Frontend UI and Backend application teams with AWS services, along with the installation of the required WAF and Lambda Authorizers.
- Design the technical framework, present the detailed design documents to relevant stakeholders, seek feedback, and implement the same. Undertake project specific Proof of Concepts activities to validate technical and implement best optimized solution.
- Enable all Backend and Frontend Teams in integrating and interacting with different AWS services (primarily RestAPIs, WebSocket, SNS, SQS, Lambda functions, DynamoDB, Aurora, S3 buckets, CloudFront, Amplify, etc).
- Create configurations, architecture, and forward-thinking ideas while directing test scenarios and proof of concepts to guarantee expert-level network service delivery that is both effective and efficient in On-Prem, Hybrid, and Cloud environment.
- Resolve performance issues and increase billing efficiency.

Project: HSBC

Role: Cloud Infrastructure Architect

Project Description:

As an AWS DevOps engineer responsible for maintaining the services for the Development team in DevOps process on AWS Cloud. As part of AWS Infrastructure Architect to implement the target architecture for the client platform migration from Azure services to AWS for multiple production, pre-production, and lower environments. Design, develop and implement automation solutions for smooth transition of the services from AZURE to AWS

Responsibilities:

- Development of IaC (Infrastructure as a code) automation to deliver SaaS (Software as a Service) on AWS using Terraform. Working on 3-tier architecture for developing and providing consultation to clients. For this Automation in AWS, Azure or any multi-tenant cloud, execute CI/CD using Jenkins, Docker and Kubernetes for solution.
- Collaborating multiple technical teams across various technologies such as AWS Cloud Computing, Microservices Development, product teams.
- Deploy and monitor Amazon Web Service resources (EC2, VPC, ELB, S3, EKS). Support customers on issues reported from existing Terraform scripts. Implemented DNS through Route 53 to have highly available and scalable applications.
- Create Terraform modules for creating new EKS cluster through Jenkins pipeline for K8 deployment and service enablement.
- Work with multiple stakeholders including product engineering teams, product managers, and customers to collect requirements and deliver as per product needs.

May 2021 – September 2022

MICRO FOCUS Software Solutions India Private Limited (currently OPENTEXT)

Role: Senior Network Specialist (Cloud Ops)

Project: PSDC (Product Services Delivery Center)

Project Description:

My Team was responsible for implementing and maintaining critical Operations services of our SaaS environment on AWS Cloud and On-Prem networks. As part of configuration management, we use Terraform for provisioning and automation of AWS resources, services, and their operations. We worked on tasks based on ALM Octane and ad hoc customer requests.

Responsibilities:

- Leading a team on designing and developing efficient patterns for deploying the infrastructure using infrastructure as code (Terraform). Built Terraform modules for Cloud Networking products

as per requirements from the product teams (for new products and product enhancements).
Created multiple Terraform modules to manage configurations, applications, and services and automate the installation process for Web Server and AWS instances.

- Managing projects through Checkpoint Firewall through Tag based (SCP) rules.
- Establishing client connectivity through virtual Checkpoint appliance and AWS TGW.
- Migration of On-Prem network services, Firewalls and Data Centers across the global offices to respective cloud infrastructure on AWS.
- Design and implement DevOps process of Continuous Integration, Continuous Deployment, and Release Management process using Git, Jenkins.
- Jenkins Pipelines to drive all micro services builds out to the Docker registry and deployed on nodes of AWS container service registry clusters.
- Code Quality Assurance Tool - SonarQube setup.
- Design and build a Kubernetes platform with all security best practices and on AWS EKS for production environment.
- Deploy the application in containers on platforms like Kubernetes.
- Developed a terraform modules for AWS services to automate provisioning lifecycle.
- Provision and troubleshoot Application/Network Load Balancers issue, including Route 53 and DNS changes.
- Identify, manage and lead escalations through L5 and represent network team on change advisory board (CAB).
- Monitoring of SaaS production environments and products through CloudWatch, Grafana, Prometheus integration.

October 2011 – April 2021

INFOSYS LIMITED

Role: Technology Specialist (Network)

Project: Computers and Communications Division (CCD)

Project Description:

Infosys is a dynamic organization helping global organizations to transform their business, creating measurable business value from every IT investment, and leading clients on a strategic journey to Build Tomorrow's Enterprise.

Responsibilities:

- Provide L3 support to internal stakeholders during any connectivity outages / impact and coordinate with client technical team to resolve issue on topmost priority to reduce business impact.
- Design and build an AWS landing zone solution which is used to onboard new Aws subscriptions, identity, security, networking, operations, and governance for thousands of customers.
- Implement and manage multiple vendor Routers, Switches, IPS, Load Balancer and corporate appliances.
- Provision, configure and maintain AWS cloud infrastructure defined as code.
- Cloud Infrastructure design and planning for existing on-prem clients. Provisioning of instances using AWS AMIs and OS Hardening of all instances.
- Implement network solutions and related projects in traditional or cloud environments meeting business needs and customer requirements meeting high quality standards.
- Taking corrective actions based on security alerts, and tools for monitoring security controls and network/system scanning report analysis for Information Security compliance.
- Understanding of ITIL based processes such as change management, Incident management etc.
- SPOC for restricted ODC operations for different clients for maintaining Security Compliance.
- Understand the direction, structure, and requirements for each project from the business line side and communicate them to the development and testing staff.
- Coordinating special projects including network related wiring plans, LAN/WAN hardware/software purchases, and system installation, backup, maintenance, and problem solving.

Jan 2011 to Oct 2011

REPUCOM Media Analysis India Private Limited (currently Nielsen Sports)

Role: Network Administrator (Team Lead)

Project Description:

Repucom is an information provider to the sponsorship industry, focusing on one single objective: to deliver invaluable insights into best practice marketing solutions in the sponsorship and branded content space. With offices throughout North America, Europe, Asia, Africa and Australasia, Repucom gathers information and insights from across the globe to deliver market-leading intelligence.

Responsibilities:

- Administration & Management of the Network and related services.
- Executed Service requests, incidents and assist in providing relevant data points for Service level management and reporting.
- Traffic Monitoring & optimization using Juniper SSG 320 & Radware Linkproof.
- Ensuring smooth running of DHCP, DNS, Active Directory and activities related to Domain Controller.
- Performing administrative tasks, handle 2nd Level incident and service requests to comply with service delivery plan.
- Managing all ISP operations & VLAN management.
- Proactively monitoring all Trouble Ticket and ensuring its completion within predefined time.
- Designing network & troubleshooting for Global Offices.
- Proprietary Software management & Troubleshooting.

Mar 2009 to Feb 2010

SPANCO LIMITED

Client: State Government of Orissa

Role: Network Engineer

Project: Orissa State Wide Area Network (OSWAN)

Spanco Limited, a SEI CMMI level 3 & an ISO 9001:2000 certified company, is an active player in the field of Telecom System Integrator for carriers in India, providing quality solutions to meet the networking infrastructure requirements of its clients using cutting-edge technologies. Spanco is actively involved in various major network infrastructure projects with various states & central government departments like Railways, Oil companies, Indian Defense etc.

Responsibilities

- Managing & Administration of Routing, Switching and Connectivity at Orissa SWAN NOC.
- Responsible for implementing, monitoring, and managing the LAN & WAN infrastructure.
- Involved in the staging of more than 300 numbers of Cisco Routers and Switches deployed in the project.
- Configured Cisco 7606 Router and Cisco 4510 Switch which were the core router & core switch respectively.
- Implementation of AAA using Cisco ACS
- Managing connectivity at blocks for Orissa SWAN where DSL was used through WireSpan3000 modems.
- Correlate problems with causes, and involve higher level technical personnel support personnel, as needed, for timely resolution of IT network and systems outages.

Aug 2008 to Mar 2009

RT OUTSOURCING SERVICES LIMITED

Client: INFOSYS LIMITED

Role: Technical Support Engineer

RT engages as a partner to Fortune 500 companies in IT, Telecom and CE space and manages end-to-end technical support, customer care, warranty services, Helpdesk and managed services, repair and refurbishment, which meet strenuous service levels committed by the clients to their customers.

Roles& Responsibilities

- Worked as a support function designed to offer products and services to the software professionals as per client and project requirement.
- Responsible for client specific installation, maintenance and troubleshooting of software and hardware of the HP systems/servers.
- Windows troubleshooting, network printing setup, attend breakdown calls, downloading software updates and Antivirus patches, documentation of hardware, install and update Antivirus, installation, and configuration of OS.
- Remote Support for user's technical problem through DameWareNT Remote Application and Remote Desktop.

EDUCATIONAL SUMMARY

BE (Electrical) [2001-2005]	- BPUT, Odisha, India
XII (12th) [2001]	- Delhi Public School, Angul, Odisha, India
X (10th) [1999]	- Delhi Public School, Angul, Odisha, India