Dynamic and bottom-line oriented Senior Devops Lead Leader with a proven track record of accelerating revenue growth through strategic and tactical development of technical solutions that drive ROI, cost savings, and client retention. Demonstrated success in leading process improvements efforts by leveraging industry-leading technology to optimize partner experience and significantly enhance product functionality. Expertly lead multi-disciplinary teams and provide key training and motivating to achieve excellent results.

Jenkins, Gulp, Web Pack, Sauce Labs, SonarQube for source control, deployments and continuous integration

* Leading the DevOps - SRE efforts across Discover core banking system, responsible for architecting solutions to establish pillars of SRE - observability, telemetry, change management, impact assessment, chaos engineering and self-healing within the core banking platform
* Leading change management function for the SRE team to coordinate and implement changes into Staging and Production
* Experience in AWS platform and its features including IAM, EC2, EBS, VPC, RDS, Cloud Watch, Cloud Trail, Cloud Formation AWS Configuration, Autoscaling, Cloud Front, S3, SQS, SNS, Lambda and Route53
* Managed for several fortunes 500, business interaction including communication, CLOUD, prioritization, and project status, strategic planning, oversaw key project architecture for the IT department including negotiation
* of SOW, RFP development and project oversight to ensure that projects are delivered on time, on budget and with applicable functionality, advised DevOps tool chains and approaches across the technology domain
* DevOps experience with Puppet, Ansible, Chef, AWS (OPS Work) and OpenStack.
* Implemented new RESTful APIs using Spring MCVC framework.
* HLD, LLD, DLD Solution Design, Integration, Configuration.
* WBS, SoW, RFP, RFQ and RFI Documentation.
* Worked with different NoSQL databases like MongoDB and HBase.
* Expertise in Architecting and Implementing AWS Service Offering, such as AWS cloud services, AWS storage, IIS, AWS Active Directory (AD), AWS Resource Manager (ARM), AWS Storage, AWS, Blob Storage, AWS VMs, SQL Database, AWS Functions, AWS Service Fabric, AWS Monitor, and AWS Service Bus.
* Hands on experience on Backup and restore AWS services and in Design and configure AWS Virtual Networks (VNets), subnets, AWS network settings, DHCP address blocks, DNS settings, security policies and routing. AWS cloud services, Blob storage, Active directory, AWS Service Bus, Cosmos DB.
* Expertise in AWS Scalability and AWS Availability - Build VMs availability sets using the AWS portal to provide resiliency for IaaS based solution and Virtual Machine Scale Sets (VMSS) using AWS Resource Manager (ARM) to manage network traffic.
* Experience in migrating on-premises applications to AWS and configured VNETs and subnets as per the project requirement also performed PowerShell scripting to do Patching, Imaging, and Deployments in AWS.
* Knowledge of AWS Site Recovery and AWS Backup Installed and Configured the AWS Backup agent and virtual machine backup, Enabled AWS Virtual machine backup from the Vault and configured the AWS Site Recovery (ASR).
* Implemented a CI/CD pipeline using AWS DevOps (VSTS, TFS) in both cloud and on-premises with GIT, MS Build, Docker, Maven along with Jenkins’s plugins.
* Experience in writing Infrastructure as a code (IaC) in Terraform, AWS resource management, AWS Cloud formation. Created reusable Terraform modules in both Azure and AWS cloud environments.
* Experience in writing terraform modules for automation the Creation of VPC-VPN from data center to Prod environment and Cross account VPC Peering.
* Strong technical troubleshooting skills in Bitbucket, Jenkins, SonarQube, Artifactory, Ansible, JIRA.
* Professional in deploying and configuring Elasticsearch, Logstash, Kibana (ELK) and AWS Kinesis for log analytics and skilled in monitoring servers using Nagios, Splunk, AWS CloudWatch, AWS Monitor and ELK Extract Transform & Load data from Sources Systems to AWS Data Storage services using a combination of AWS Data Factory, T-SQL, Spark SQL and U-SQL AWS Data Lake Analytics. Data Ingestion to one or more AWS Services - (AWS Data Lake, AWS Storage, AWS DW) and processing the data in In AWS Databricks.
* Designing new databases and data schemas for the high-profile customers-facing portal keeping strong attention on data integrity and queries execution efficiency applying knowledge of MariaDB and AWS Databricks.
* Experience in developing Spark applications using Spark - SQL in Databricks for data extraction, transformation and aggregation from multiple file formats for analyzing & transforming the data to uncover insights into the customer usage patterns
* Highly motivated and committed DevOps Engineer experienced in Automating, Configuring and deploying instances on AWS, Open Stack cloud environments and Data centers, also familiar with EC2, Cloud watch, Elastic Search and managing security groups on AWS.
* Strong knowledge and skills on AWS /GCP Architecture Design, especially in Production, Development and Testing Environment.
* Experienced in doing many POC (proof of concept) assignments on OpenStack, DevOps tools like Chef, Puppet, Ansible, Jenkins and managing code using distributed version control systems like GIT.
* Experience in migrating on-premises applications to AWS and configured VNETs and subnets as per the project requirement also performed PowerShell scripting to do Patching, Imaging, and Deployment in AWS.
* Experience in Designing, Architecting and implementing scalable cloud-based web applications using AWS and GCP.
* Knowledge of AWS Site Recovery and AWS Backup Installed and Configured the AWS Backup agent and virtual machine backup, Enabled AWS Virtual machine backup from the Vault and configured the AWS Site Recovery (ASR).
* Experience in changing over existing AWS infrastructure to Serverless architecture (AWS Lambda, AWS Kinesis) through the creation of a Serverless Architecture using AWS Lambda, API gateway, Route 53, S3 buckets.

**CORE COMPETENCIES**

Ecommerce | Infrastructure Management | Strategic & IT Operational Planning | Budgeting | Vendor Management | Process Improvement | DevOps | NOC | CSOC | PCI | Security | SDLC | Cloud Computing ITIL

| Project Management | IT Governance | Automation |Enterprise | Migration | Architecture Broadcasting

|Data Migration |Disaster Recovery| Product Management| CI-CD, Continuous Integration Tools: Jenkins, Bamboo, Chef, Ansible, GCP, Shell, Python, Cloud Platform: AWS EC2, VPC, ELB, RDS, Route 53, ECS, EBS, Cloud formation, Docker.

Public & Private Cloud Technologies: Microsoft AWS, Amazon Web Services (AWS), Google Cloud Platform (GCP), OpenStack, Pivotal Cloud Foundry (PCF).

**Operating Systems:** Unix, Linux, Windows

**Cloud Servers:** AWS EC2, S3, EBS, VPC, ELB, EMR, AMI, SNS, RDS, lambda, Redshift, IAM, CloudFormation, CloudFront, CloudWatch, CloudTrail, Microsoft AWS, Rackspace

**CI/CD Tools:** Jenkins/Hudson, Bamboo, Team city

**Cloud computing:** GCP, AWS and AWS, data bricks

**Confidential Technologies: AWS Service Fabric, AWS Kustos, Power BI**

**Containers: Docker, Kubernetes, AWS Service Fabric**

**Configuration Management:** Ansible, Chef, Puppet, Terraform

**Monitoring/Alerting tools:** Nagios, Zabbix, Splunk, New Relic, ELK Stack, AppDynamics, Prometheus, Grafana.

Testing tools: SonarQube, Fit Nesse, Selenium, EMMA, Cucumber, WebDriver, Junit, DBUnit etc

**Containers & virtualization:** Docker, Packer, Vagrant, VMware, Hyper V, OpenStack

**Orchestration:** Kubernetes, Docker Swarm, Elastic Beanstalk, Rundeck

**Languages:** Java, C, Python, Shell, Perl, Ruby, PowerShell

**Web/Application Servers:** Apache, Tomcat, NGINX, Oracle WebLogic Server, JBOSS, WebSphere

**Version Control Tools:** Git, GitHub, Bit Bucket, SVN, CVS, AWS, AWS Code Commit

**Build Tools:** ANT, Maven, Gradle

**CAREER PROGRESSION & ACHIEVEMENTS**

**DIMENSIONAL THINKING**

**Client: Fiserv Inc Dallas TX**

**Director DevOps/Architect/CLOUD Oct 2019 – Present**

* Provide continuous improvement for the application release and deployment management process, workflow and post-implementation reviews.
* Define and manage release management policies, processes, and procedures
* Provide input and actively participate with the Technical Change and Release Management Committee (TCRMC)
* Handled on - prem deployments and achieved system stability for large scale customer environments.
* Helped in migrating services from fleet to Kubernetes.
* Work with Tech Lead, Test Manager, Branch Chief, SQAD SME's, Portfolio Managers to provide quick resolution for broken build.
* Worked on the Development environment setup for the Confidential & Confidential IDP project.
* Worked on the CICD setup for all the micro services on Profile, Service Availability, Cart, Pricing and promotion, Product Configuration, Foundation framework and product listing.
* Worked on the micro services for Unit testing, Integration test cases, Status check foundation framework, Status check TDD contracts, Compile, Package, Verify, Quality Scan, Publish Artifact, Deploy to Development and Start Functional Testing.
* Configured AWS Multi-Factor Authentication (MFA) as a part of AWS AD Premium to securely authenticate users and worked on creating custom AWS templates for quick deployments and advanced PowerShell scripting. Deployed AWS SQL DB with GEO Replication, AWS SQL DB Sync to standby database in another region & Fail over configuration.
* Worked on Serverless services, created and configured HTTP Triggers in the AWS Functions with application insights for monitoring and performing load testing on the applications using the Visual Studio Team Services (VSTS) also called as AWS DevOps Services
* Worked on to setup for the various Jenkins CICD pipeline configurations for all the micro services.
* Worked on the build activities for all the existing micro services
* Contributed to python library that deploys k8s clusters using helm charts, in-house tool (SSDT) for service deployments into the k8s clusters.
* Leading the DevOps - SRE efforts across Discover core banking system, responsible for architecting solutions to establish pillars of SRE - observability, telemetry, change management, impact assessment, chaos engineering and self-healing within the core banking platform
* Leading change management function for the SRE team to coordinate and implement changes into Staging and Production
* Created Databricks notebooks using SQL, Python and automated notebooks using jobs and created Spark clusters and configuring high concurrency clusters using AWS Databricks to speed up the preparation of high-quality data.
* As part of SRE concentrated on application crash issue and troubleshooting.
* Assist in the Development Priority List process working with Product Management group to address issue identified as part of Problem Management
* Provide engineering design across different workloads including incident & problem management, change management, security and compliance as SRE principle.
* Worked on AWS Site Recovery and AWS Backup- Deployed Instances on AWS environments and in Data centers and migrating to AWS using AWS Site Recovery and collecting data from all AWS Resources using Log Analytics and analyzed the data to resolve issues.
* Worked on the Docker EP container images and deployments using Docker
* Worked on the Jenkins ci/cd pipeline configuration to build the Nextgen Confidential -Mobile codebase using DCP Commerce Engine, Commerce extensions and cm client.
* Created ep docker containers using the commerce engine, commerce extensions and cm client.
* Docker files created as part of the EP containers application to implement CI/CD process
* Support as a DevOps SME for FPNG pilot project for managing, controlling, analyzing, planning and administering data driven test to drive the application with external data driven scripts to take advantage of the powerful libraries and utilities from keyword driven architecture.
* Involve in GUI Testing RTM, and Regression testing report, User Acceptance testing with PVT test managers on different versions of the web browser using Selenium & Test Complete 12.
* Work/support business users to understand issues, develop root cause analysis and work with the team for the development of enhancements/fixes and SRE precautions.
* Setup Alerting and monitoring using Stack driver in GCP.
* Developed and Implemented Kubernetes manifests, helm charts for deployment of microservices into k8s clusters.
* Set up and maintained Logging and Monitoring subsystems using tools loke; Elasticsearch, Fluentd, Kibana, Prometheus, Grafana and Alert manager.
* Provide the permissions and required access to all the pub/sub topics (GCP) and sinks to push/write the data to Stack driver.
* Setup Alerting and monitoring using Stack driver in GCP and Chatbot Engineer.
* Create custom log metrics using Stack driver logging (GCP)and create charts and alerts using the custom log metrics.
* Implementation experience with Puppet, Chef, Ansible or Salt
* Help provision and manage gcloud container clusters with Chef and Puppet.
* Hands on experience with four or more of the following tools: Docker, Terraform, Ansible, Vagrant, Puppet, Kubernetes, Chef, Splunk, Victor Ops
* Identified and logged defects in VSTS and interacted with developers to priorities the issues.
* Ownership for AWS SQL server DB deployment & managed the continues integration & continues deployment.
* Created Build definition and Release definition for Continuous Integration and Continuous Deployment.
* Worked on CI/CD for PostgreSQL and MySQL Applications.
* Created dashboards in VSTS for CI/CD pipelines, Work items and bugs.
* Resolved Merge Conflicts, configured triggers and queued new builds within the release pipeline.
* Monitored and tracked deployments.
* Wrote Power shell scripting for task automation and to schedule tasks.
* Developed Power BI model used for financial reporting of P & L and Headcount.
* Used various sources to pull data into Power BI such as SQL Server, SAP BW, Oracle, SQL AWS etc.
* Database creation (DDL, DML, DCL), database tuning, SQL tuning, performance planning.
* Extensively used Joins and Sub-Queries to simplify complex queries involving multiple tables.
* Developed tabular queries for efficient analysis of report using Pivot/Un pivot in T-SQL.
* Create and publish NuGet packages and maintain the NuGet infrastructure that several teams use at build time.
* Created manual Test Cases to check that each of the deliverables meet user’s requirement
* Deploying windows Kubernetes (K8s) cluster with AWS Container Service (ACS) from AWS CLI and Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test and Octopus Deploy
* Created recommendations on how to duplicate a subset of on-premise machines to the AWS Infrastructure as a Service (IAAS) offering which will be used for disaster recovery. This analysis included the specifics to synchronize on-premise data with SQL Server and SharePoint instances hosted in VMs.
* Created AWS Automation Assets, Graphical runbook, PowerShell runbook that will automate specific tasks, deployed AWS AD Connect, configuring Active Directory Federation Service (AD FS) authentication flow, ADFS installation using AWS AD Connect, and involved in administrative tasks that include Build, Design, Deploy of AWS environment.
* Configure Continuous Integration from source control, setting up build definition within Visual Studio Team Services (VSTS) and configure continuous delivery to automate the deployment of ASP.NET MVC applications to AWS web apps and managed AWS Active Directory, Office 365 and applied upgrades on a regular basis.
* Set up a GCP Firewall rules in order to allow or deny traffic to and from the VM's instances based on specified configuration and used GCP cloud CDN (content delivery network) to deliver content from GCP cache locations drastically improving user experience and latency.
* Automating the tracking, checking & reporting of the status of Systems & Environments using Jira
* Work with various stakeholders to ensure that processes are followed by all areas
* Manage smoke testing following deployments and escalate any issues, which arise with both code issues and test scripts
* Proficient with Python & Shell Scripting for build automations
* Define the onboarding process for the Developers.

**Environment**: AWS, AWS, Terraform, Git, Maven, Jenkins, Puppet, Chef, Ansible, Docker, Mesos, Marathon, and Kubernetes, RedHat, Debian, Linux, Python, Route 53, CloudWatch, CloudFormation, CloudFront, CloudTrail, Docker, Jenkins, Google Cloud Platform (GCP), Kubernetes, GitHub, Jenkins, Docker, Puppet, Chef, Nginx, Maven, Shell Scripts, Ruby, Perl, JIRA, Zabbix, Grafana, Run deck, Bitbucket, Cassandra, Nexus.

**Senior IT Devops Lead July 2018 – July 2019**

**SHOPLC Austin TX**

Manage NOC, CSOC, Cloud computing, Helpdesk, Application Support and Broadcasting team in a cross-functional global environment, consisting of four business locations. Responsible for SQL 2016 migration to handle MYSQL end of life support and improve application performance. Monitor, maintain and administer across infrastructure and application stack (Development, Staging, and Production). Manage and control IT operations budget.

* Cost optimization on AWS with the help of AWS reserved pricing.
* Slashed release deployment time by 20% as a result of implementing DevOps practice for e-commerce platforms. Using tools like Jenkins, bitbuckets, Gradle
* Moving Images and backup to AWS S3.
* Provided strategic direction to business to achieve PCI compliance and compliance by the year end.
* Reduced and optimized Microsoft and VMware costs by replacing VMware with Hyper V.
* Worked on setting up the life cycle policies to back the data from AWS S3 to AWS Glacier.
* Used Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Wrote Python Code using Ansible Python API to Automate Cloud Deployment Process.
* Developed Python Modules for Ansible Customizations.
* Used Ansible Playbooks to setup Continuous Delivery Pipeline. Deployed micro services, including provisioning AWS environments using Ansible Playbooks.
* Used Ansible to document all infrastructures into version control.
* Used Chef to configure and manage infrastructure. Created cookbooks to automate the configuration setups.
* Experience with configuring JIRA and SonarQube
* Established Chef Best practices approaches to system deployment with tools with vagrant and managing Chef Cookbook as a unit of software deployment and independently version controlled
* Implemented DNS service (Route 53) in effectively coordinating the load balancing, fail-over and scaling functions.
* Developed GIT hooks for the local repository, code commit and remote repository, code push functionality and Worked on the GitHub.
* Worked with Jenkins and AWS Code Deploy for CI/CD pipelines. Used Jenkins to automate most of the build related tasks and Code Deploy for deploying the code.
* Working closely with setting up of the Configuration Management Tools Puppet and automation of the infrastructure with Chef that included migrating from the current infrastructure workflow to the new workflow.
* Setup the Chef Workstation, Chef server and chef nodes. Managed the software configurations using Enterprise Chef.
* Migrated data from Cassandra database to Amazon’s DynamoDB.
* Used Chef in installation of Apache servers, tomcat servers and worked on scheduling the Chef Nodes convergence using Linux Cron jobs.
* Deployed Puppet, Puppet Dashboard, and Puppet DB for configuration management to existing infrastructure.
* Involved in development of Test environment on Docker containers and configuring the Docker containers using Kubernetes.
* Used Zabbix as monitoring tool and used zabbix plugin for Grafana for analysis & visualization.
* Created a custom puppet module skeleton to use same structure across all puppet modules. Implemented Puppet hiera to separate data from puppet code.
* Used Chef for application automatic deployment and provisioning to different environments. Used Harvest and CVS for repository integration to Anthill Pro for code.
* Developing Cookbooks, Recipes, Resources and Run lists, managing the Chef Client nodes, and upload the Cookbooks to chef-server from Workstation.
* Built code using Maven and stored in Bitbucket. Approval and merging of code from feature branch to develop branch and used Bitbucket act as Gilt repo and created pipelines to store the artifacts in Nexus repository.
* Created and uploaded new cookbooks and recipes in Ruby to servers in cloud and physical datacenters.
* Maintained and coordinated environment configuration, controls, code integrity, and code conflict resolution.
* Created multiple Ruby, maven, Perl and UNIX shell scripts for various application-level tasks.
* Worked on AWS CloudWatch, CloudFormation, Cloud Trail services and cloud Front to set up and manage cached content delivery.
* Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
* Created, maintained and customized complex JIRA project configurations including workflows, custom fields, permissions and notifications.
* Proactively monitored system integrity and application availability, worked with QA, developers, system administrators, database administrators, program managers, and help desk closely and efficiently
* Improved efficiency and reduced communication cost by implementing Office 365 and migrating 650+ users to the new platform.
* Experience in development with Perl, Python, PowerShell or other scripting languages
* Python write analytic apps for BI needs Perl and bash design network and host monitoring apps develop Windows and Linux, QA methodology with Web/App/DB/Unix/Linux infrastructures design and maintain Redshift MySQL, Memcached, rabbitmq, redis.
* Involved in vendor evaluation and implementation of OKTA cloud Identity solution and migrated 1.5K users to the new platform.
* Established culture of high performance, transparency and continuous improvement.

**Devops Infrastructure Services Nov 2014 – Jul 2018**

In charge of establishing NOC and SOC to provide 24x7 support to core business. Trained, developed, evaluated, and managed a team of technical professionals. Challenged with development and implementation of operational best practices, standards, and procedures, aimed at achieving cost-cutting and process improvement results.

* Reduced cost by 20% by defining cloud strategy for enterprise and migrating e-commerce, Mobile, Smart TV infrastructure to AWS.
* Initiated and implemented centralized ticketing system for enterprise and defined business SLA process as per ITIL guidelines.
* Significantly impacted the bottom line of operations by establishing global 24 x 7 network operation center/SOC
* Reduced training costs by standardizing hardware through implementation of Fortinet UTM and Aruba infrastructure.
* Used Python API for uploading all the agent logs into AWS blob storage. Managed internal deployments of monitoring and alarm services for the AWS Infrastructure (OMS).
* Build Data Sync job on Windows AWS to synchronize data from SQL 2012 to SQL AWS.
* Design and Implement WCF services layer hosted on Windows AWS. This layer is the middle tier between SQL AWS and SharePoint online external content.
* Create Cache Memory on Windows AWS to improve the performance of data transfer between SQL AWS and WCF services.
* Implemented Python Scripts using stranded libraries for getting all the agent logs (Inventory, Remote connections, Network usage and performance counters) from the flavors of LINUX.
* Reduced licensing cost by 25% by signing centralized contracts with Microsoft and Adobe.
* Saved 30% in operating costs by signing a multi-year contract with Sophos Endpoint and migrating 2K users to the new platform.
* Streamlined operations by establishing a single portal for 24 x 7 infrastructure monitoring.
* Initiated and implemented centralized source code repository for multiple applications with SVN and Bitbucket.
* Slashed troubleshooting time by 60% as a result of implementing Dynatrace tool to monitor all business-critical applications.
* Improved ecommerce site performance and reduced database calls by 80%. while allowing for increase in the number of calls handled.

**Director IT Liquidation Channel Apr 2007 – Nov 2014**

Provided key strategic technical leadership to 24 x 7 TV retail operations, including strategic planning, budgeting and close collaboration with key stakeholders, including e-commerce, logistics, services, and sales directors. Developed Business Continuity Plans (BCP), and worked with business partners to successfully execute plans. Negotiated and successfully executed contracts for telecommunications, web, and data hosting and other core IT services. Adopted new technologies and tools like SQL SSRS, CRM to improve organization’s internal operations.

* Defined technology roadmap for e-commerce and contact center with Hybris and Incontact.
* Setting up a Development team in India to provide day to day support for ecommerce platforms.
* Reduced invoice processing costs by 70% and improved warehouse team’s performance as a result of implementing a new warehouse management system, printers, and barcode scanners.
* Increased sales by $2M / year by providing autoload functionality.
* Boosted sales revenues by $5K / day by implementing online auto bid functionality.
* Slashed printing costs by 60-70% and improved performance due to high-speed printers by signing multi-year contracts with third-party printing vendors.
* Defined technology roadmap for e-commerce and contact center with Hybris and Incontact.
* Re-negotiated the contracts for telecommunications, web, and data hosting and other core IT services. which saves $500k in a year.
* STS JEWELS Inc., New York, IT Manager
* Previous Career History:
* VGL SOFTECH Limited, Jaipur, Computer Hardware Analyst Methedox system Limited, New Delhi, Computer faculty

**EDUCATION | PROFESSIONAL DEVELOPMENT**

* Bachelor of Commerce (BCom), Utkal University, India
* Management Development Program - Six Conversations Program, University of Wisconsin-Madison, WI Microsoft Certified System Engineer
* PGDCA