Nirav Mistry

Sr. DevOps Engineer

Total Exp: 9+ Year,
Relative Exp: 6+ Years
Education: Masters in Computer Applications (MCA) 2014

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SUMMARY

Highly seasoned DevOps Engineer with six years of hands-on experience, showcasing proficiency in a diverse skill set encompassing AWS, Azure, CI/CD, Automation, Infrastructure Management, Infrastructure Cost Optimization, Project Architecture, and proactively engaging in ad hoc tasks.

EXPERIENCE

Fintech Global Center (Formerly known as The Beast Apps) — *Sr. DevOps Engineer* (Team lead)

DECEMBER 2019 - PRESENT [3 Years 9 Months]

- Lead and facilitate Agile ceremonies (e.g., Daily Standup, Sprint Planning, Sprint Review).

- Allocate tasks and issues to team members during Sprint Planning using the FreshDesk/Redmine.

- Engage with clients to gather and understand their technical/infra requirements.

- Translate client needs into technical solutions with blueprints.

- Take care of the security to implement best practices for securing infrastructure and applications.

- Oversee domain registrations, manage nameservers, configure DNS records and Email accounts.

- Collaborate with teams and stakeholders to define the project's overall technical architecture.

- Make technology stack decisions and establish architectural patterns.

- Monitor and maintain existing infrastructure for performance, stability and cost.

- Implement optimizations and improvements as needed.

- Design, implement, and manage Continuous Integration and Continuous Deployment (CI/CD) pipelines.

- Fully automate code builds, testing, and deployment processes with notifications and alerts.

- Set up monitoring tools to track system performance and issues.

- Configure alerting systems to detect and respond to

CLOUD PLATFORMS

- **Azure**
- **AWS**

CI/CD TOOLS

- **Jenkins**
- **TeamCity**
- **Octopus Deploy**
- **Azure DevOps**
- **AWS CodeBuild & CodeDeploy**
- **GitHub Actions**
- **BitBucket CI/CD**

SCRIPTING

- **Bash**
- **Batch**
- **Powershell & DSC**
- **Python**

AUTOMATION

- **Selenium**
- **AWS Lambda**
- **Azure Automations**
- **Custom Developed Applications**
- **Terraform**

MONITORING TOOLS

- **Grafana, Prometheus**
- **Site 24x7**
- **Custom Developed Application**

SOURCE CONTROLS

- **Git**
- **BitBucket**
- **VSTFS(TFS/Azure Repo)**
- **SVN**

issues.(ElasticSearch, Grafana, custom scripts)

- Develop and test disaster recovery plans. Ensure data backup and restoration processes are in place.

- Deploy plenty types of applications and services to development, QA, and production environments.

- Establish Service Level Agreements (SLAs) for new and existing services.

- Define and track key performance metrics to optimize service delivery.

- Develop automation scripts and utilities to streamline operational processes.(Shell, PowerShell, Python, bash)

- Utilize containerization technologies like Docker for packaging applications (ECA, ECR, ACS, ACR, Cluster).

- Administer Google Workspace, Microsoft 365, GitHub organization.

- Manage domains/DNS, Active Directory Domain Services (ADDS) accounts, VPNs, access management, rules, and policies.

- Develop utility tools, software and websites using various programming languages (e.g., .NET, Angular, Python, C#, C++).

- Administer Linux (Debian) and Windows Servers, including Active Directory Domain Services (ADDS).

RadixWeb, Ahmedabad — *DevOps Engineer*
SEPTEMBER 2017 - NOVEMBER 2019 [2 Years 2 Months]

- Working as an architectural team member to design and implement cloud-based solutions and establish best practices for cloud architecture.

- Own and maintain the Continuous Integration and Continuous Deployment (CI/CD) pipelines using Jenkins and Azure DevOps.

- Oversee and manage the client's cloud infrastructure to ensure availability, cost-effectiveness, and optimal performance.

- Contribute to and leverage the open-source internal framework "RxWeb" for development projects.

The Beast Apps, Gandhinagar, Gujarat, IN— *Software Developer*
APRIL 2014 - AUGUST 2017 [3 Years 5 Months]

- Develop new features, modules, or functionalities based on project requirements.

- Debug and resolve problems in the codebase.

- Work closely with cross-functional teams, including designers, product managers, and QA engineers.

- Participate in code reviews to ensure code quality and adherence to coding standards.

BUG/SUPPORT TRACKING

- **Jira** with Confluence
- **Git**
- **FreshDesk**

VIRTUALIZATION / CONTAINERISATION

- **Docker (ECS/ACS)**
- **Hyper-V**

ADMINISTRATION PORTALS

- **Azure Active Directory**
- **AWS Console (IAM)**
- **Google Admin Console [GSuite]**
- **MS Office 365 with Teams**
- **Git Org. Account Management**

KNOWN PROGRAMMING LANGUAGES/TECHNOLOGY

- C# in .net and .net Core with Console , Desktop Service, Rest API, ASP.Net MVC with Entity framework
- Python Core, Flask
- Frontend: HTML, JS, CSS
- Core Java, Android with java

WEB SERVERS

- IIS
- Apache

DATABASES

- MS SQL,
- MSSQL, Aurora,
- DynamoDB

KNOWN OS

- Windows Servers and Desktop
- Ubuntu Server and Desktop
- Android

COMMUNICATION LANGUAGES

- English
- Hindi

GLS Institute of Computer Applications— *MCA*

JULY 2011 - APRIL 2014

Completed the Masters of Computer Application with 8.5 CPA out of 10. The specialization in Computer Applications.

Gujarat University — *BCA*

JUNE 2008 - JUNE 2011

Completed the **Bachelor of Computer Application** with **First Class.**

Migration — *On premises infrastructure to AWS Cloud*

We recently transitioned our on-premises infrastructure, which comprised a diverse range of Windows/Linux servers and workstations across various development and testing environments (Dev/Test/Demo), to the AWS cloud. In doing so, we replicated a nearly identical setup utilizing various AWS cloud services.

Organization - Fintech Global Center   Team Size - 2

OfficeBCP — *Azure Virtual Desktop Service*

Using OfficeBCP you can set up and manage your office infrastructure in the Azure cloud including servers, workstations (windows 10 pro), office 365, Teams, shared network drives (Azure Storage Account) and other tools/softwares using different Azure services.

Organization - Fintech Global Center   Team Size - 1

Server Maintenance — *Azure and AWS Cloud Maintenance*

We have infrastructure in Azure as well as in AWS and we have to maintain it by doing daily/weekly checklists, improvements in CICD processes and increasing the automation level in tasks to reduce 90% of manpower. Additionally, we prioritize updates and upgrades to maintain the infrastructure's efficiency and security.

Organization - Fintech Global Center   Team Size - 2

UTILITY PROJECTS — *To Support Automation*

In general we faced some repeated tasks, to reduce those loads. I always prefer to use developed applications,scripts, or tools i.e.

- – Auto Process and Upload log files (Maintain server space)
- – Database admin panel (db on web) to manage user/rights
- – syslog with mysql and admin panel (Audit Trail).
- – Build Tools for company's framework
- – Remote Task Manager (Monitoring tool)
- – Many other Desktop/Web Apps for automation and management including serverless architecture

Organization - RadixWeb, Fintech Global Center Team Size - 1

USED SERVICES/TOOLS IN DETAILS

Azure DevOps

- ❏ Organization, User, role/Permission, Email Notification for events Management
- ❏ Pipeline - Pipeline for different branches, Variables, Triggers, Retention, BODM (Build once, deploy many)
- ❏ Release - Fully and semi automated deployment with single tenant and multi-tenant flavored application
- ❏ Configuration - Integration with Third Party tools
- ❏ Other - Git Repo, Library, Task Groups, Artifacts management, Private Nuget Server

Azure

- ❏ Azure Active Directory - Active directory with Domain Services, User roles and permission management, MFA, Cloud Sync with on-prem domain service
- ❏ Virtual Machines - VMs, Disk, Auto Start/Shutdown, Backup, Disk Snapshot
- ❏ Virtual Network - Vnet, Subnets, Network Security Groups, CDN Profiles, Network Interface, Peering
- ❏ Subscription Management - Cost and Billing management with alerts, cost explorer, detailed usage report
- ❏ App Services - Web application deployments, Application Insights, static web apps, custom domains
- ❏ Databases - SQL databases, Azure SQL, Cache for redis
- ❏ Windows Virtual Desktop - WorkSpace, HostPools, Application Groups, Workspace
- ❏ Azure Functions - API Deployments
- ❏ Storage Accounts - Containers, Shared Files, blobs, backups, NAS storage, Sync with on-prem disk
- ❏ Integration - SendGrid Accounts, Zoho, Teams, PowerBI
- ❏ Application - App Registration, Enterprise application, Single-multi tenant authentication, app permissions
- ❏ Automation Accounts - Powershell and Python script to manage resources, perform checklist
- ❏ Azure Communication Service - Recently worked on the ACS for creating POC application
- ❏ Event hub - Own and manage various Queues/Channel that is used by applications
- ❏ ACR/ACS/ACI - Setup the container serviceInstance, deploy image to container registry

AWS

- ❏ VPC - VPC, Subnets, Security Groups, Route Tables, Regions, Availability Zones, Open VPN
- ❏ Route53 - Hosted Zones, DNS Records, Alias, attach services to records
- ❏ CloudFront - Distributions, S3 static site binding , custom domains
- ❏ EC2 - Load Balancers, Security Groups, Auto Scaling, Elastic IPs, AMIs, Keys, EBS
- ❏ Lambda - Applications, Functions
- ❏ S3 - static sites, public access of buckets, automation to maintain retention of files, sync on-prem data
- ❏ AMQ and SQS- Brokers, channels, configurations
- ❏ SES - Domains and Email, Email Templates, usage reports
- ❏ IAM - User management with Roles, Permissions, Policies, MFA and Access Keys
- ❏ CloudWatch - Rules, Events, alerts, monitoring
- ❏ Directory Service - Active Directory, DNS, User managements
- ❏ Databases - DynamoDB, RDS with MSSQL , MySQL and Aurora
- ❏ ECS/ECR/Cluster - Services, Task Definition, automated CICD for ECS

TeamCity

- ❏ Multi level Project/Sub Project Structure
- ❏ Multiple VCS Roots
- ❏ Planty types of runner
- ❏ Triggers
- ❏ Snapshot and Artifacts dependency
- ❏ Configuration Parameters, System Properties, Environment Variable,
- ❏ User, groups and Permission management
- ❏ Third party tools/Plugin integration like Slack, Teams, Email, Spark Messenger , Nuget
- ❏ Active Directory based and other Authentication Methods

Octopus Deploy

- Multiple Spaces
- Manage Deployment Targets
- Multiple Environments
- Multiple Tenants Managements
- Package Repository

- Custom Step Templates
- Variable Set and Different Scoped Variables
- Azure and Local Active Directory User Authentication
- User, Teams, Roles and Permission management
- Octopus Integration with other product using API