



PROFESSIONAL SUMMARY

- An outstanding, self - motivated professional with around 14 years of experience in IT industry with major focus on Software Configuration & Build/Release Management.
- Certified Kubernetes Administrator and Application developer with experience in creating and managing production scale Kubernetes clusters, Deep understanding of Kubernetes networking and Experience in Kubernetes clusters deployment on Bare Metal server Machines. Strong background to Support Kubernetes based projects to resolve critical and complex technical issue.
- 4+ years' experience with hands-on management and administration of Kubernetes platforms and clusters as well as experience in developing Docker Images with all security features.
- Microsoft Certified Cloud professional with proven experience in strategic planning and execution of cloud migration journey for large enterprises. Strong background in design, configuration, and operation of cloud infrastructure in Microsoft Azure Cloud.
- Experience in DocuSign, Google Maps, Solutions By Text APIs implementations using React and NodeJS as backend.
- Expertise in Administration and Troubleshooting of Azure IaaS Components - VM, Storage, VNet, OMS, NSG, Site-to-Site VPN, RBAC, Load Balancers, Availability Sets.
- Troubleshoot production issues and perform on-call duties. Very strong troubleshooting skills with Azure, AWS, Kubernetes, Docker, and Linux; ideally when under high pressure situations.
- Experience in writing Bash script to manage AWS resources and worked with AWS CLI, also familiar with EC2, Cloud Watch, Cloud Formation, Route 53 and managing security groups on AWS.
- Experience in Terraform Cloud and Terraform to create infrastructure in AWS cloud, also Docker to spin up Jenkins container for CI/CD pipelines. Experience in Ansible for configuration management.
- Experience working with JIRA, Confluence pages development as well as provide training to development team for same.

EDUCATION

- Master of Computer Applications from S.P. University.
- Bachelor of Computer Science from S.P. University.

CERTIFICATIONS

- Certified Kubernetes Administrator - CKA.
- Certified Kubernetes Application Developer - CKAD
- Microsoft Certified Azure Administrator - Exam -AZ-103.
- Microsoft Certified Azure Fundamentals -Exam -AZ-900.

TECHNICAL SKILLS

•Deployment Automation & Containerization	• System Migration and upgrades
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(Docker, Kubernetes).	
•Kubernetes Networking (Services, Endpoints, DNS, LoadBalancer).	• PowerShell / CLI Script
•Managing Kubernetes storages (PV, PVC, Storage Classes, Provisioners).	• Automate ARM template deployment
• Scaling and Management of Docker Containers	• Managing Security of data on Cloud
•System Backup	• Managing Roles Assignment
•Migrating On-Prem to Cloud	• Developing Hybrid Cloud
•Maintaining Reliable System in Budget	• Ingress Controllers (Nginx, Istio etc) and cloud native load balancers.
•Deployment, ReplicaSet, DaemonSet, StatefulSets, Jobs, Secrets	• AWS CLI, Networking, and resource management.

PROFESSIONAL EXPERIENCE

Mariner Finance

Software Architect Team Lead

Mar 2021 – Apr-2023

- Integrated backend NodeJS API with DocuSign for eSignature implementations, as well as develop Branch Locator using Google Maps API and created REST APIs as well as use 3rd party REST APIs.
- Implemented Multi Factor Authentication solution for new device registration upon login.
- Played major role in new application development in React as front-end, pull all code from existing application, refine, and turn into secure APIs and use in new application, also make sure team follow agile methodology, clean code, higher order components, use of React hooks and all.
- Played main role in Designing and implementing existing application developed in NodeJS to Docker Containers.
- Write many shell scripts like creating Docker images dynamically from supplied environment with supplied image tags, etc.
- Made minimum size docker container using layer approach in Dockerfile and orchestrate container management using kubernetes in AWS.
- Re-design security policies in AWS and implemented multi-factor authentication for all users.
- Eliminate use of many VMs and use kubernetes cluster approach to keep applications separate still use same resources.
- Created Clusters using Kubernetes and worked on creating many pods, replication controllers, replica sets, services, deployments, labels, health checks and ingress by writing yaml files.
- Imported and managed various applications using Git by configuring Git repositories with branching, tagging, and notification.
- Implemented and maintained CI environments using Jenkins, performing deployments, Packaging, build optimization, production rollouts, staging, defect tracking (JIRA), and root cause analysis, Smoke testing.
- Followed best practices/methodologies for provisioning, application scaling, configuration management, capacity planning, monitoring, etc. to improve organization-wide visibility into how distributed systems interact and perform in production.
- Manage cloud environment thru Terraform, used AWS for instantiating resources, also used Docker to spin up Jenkins container for CI/CD pipelines. Also use Ansible for configuration management, used Consul for storage of remote state and configuration data.

Shreyan Inc

Software Architect

Mar 2017 – Mar 2021

- Played main role in Designing and implementing solutions to leverage a Kubernetes cluster.
- Deploying cloud-native applications and monitoring and supporting a Kubernetes environment.
- Troubleshoot and resolve issues within the Docker and kubernetes environment.

- Work with Development teams to migrate applications to Docker based PaaS platform using Kubernetes.
- Deeply engage with client to understand their architecture and operations, and work to continuously improve their overall Kubernetes support experience.
- Created AKS cluster in Azure portal by template driven deployment using Terraform and configure advanced networking, AD integration and monitoring.

Cloud Engineer
HBPN Inc

Feb - 2013 – Feb 2017

- Migrated on-premise virtual machines and applications to Microsoft Azure.
- Developed a process to provision new environments - virtual machines, storage accounts, resource groups in Microsoft Azure using JSON templates and PowerShell.
- Developed and maintained an internal library of PowerShell scripts to automate the processes and do on-premise VM and data backup using VHDS.
- Troubleshoot and monitor Azure infrastructure for the deployed applications.
- Designed and Configured Network Security Groups (NSGs) to control inbound and outbound access to network interfaces (NICs), VMs and subnets.
- Implemented Containerized Python application deployment using Docker and Azure Kubernetes Service.
- Designed roles and groups using Azure Identity and Access Management (IAM).
- Migrated SQL Server 2008 database to Windows Azure SQL Database.
- Identify, troubleshoot, and resolve build and deployment process.

Data Analyst
lappz Solutions Inc.

Jun 06- May 07

- Experience managing SQL Server and visual studio.
- Interaction with the clients to determine the requirements.
- Experience in SQL SERVER Services (SSRS, SSIS, SSAS).
- Deployed code to support Real time Web Application Wallet Insights Dashboard with Spot Fire BI tool.
- Experience with Bit Bucket and Jenkins to fix missing Endpoint.
- Very good T-SQL Programming skills. Experience in query optimization and performance tuning.
- Design and create reports in Cognos Impromptu tool using SQL.
- Developed queries on SQL Server.
- Create automated dashboard for obtaining answers to Client specific business questions from the data warehouse.

Software developer
lappz Solutions Inc.

June 02 to May 06

- The system interacted with clients for user requirement specifications and finalization of the design of the entire system.
- Design & Developed Data-flow diagrams, Database triggers, forms, and reports.
- Strategic Oriented Action Management System.
- Analyzed requirements for Designed and developed database triggers.
- Designing the project standards and performed system testing and implementation
- Designed and Developed database triggers and stored procedures Involved in developing the front-end user interface screens performed testing in tune to the user requirement standards for the system.
- Involved with SQL Server installation, upgrades, and administration of SQL Server security.
- Provided database support to other developers in a Data warehouse environment.
- Involved in designing and implementing backup and recovery procedures.
- Involved in writing SQL stored procedures to enforce business logic.