JUNED MEMON

DEVOPS | PLATFORM ENGINEERING | CLOUD-NATIVE SYSTEMS | SYSTEM ENGINEER | CLOUD ARCHITECT | LLM INTEGRATOR | AI/ML SYSTEMS

👤 ABOUT

Versatile DevOps and Platform Engineering expert with 18+ years of hands-on experience designing scalable cloud-native solutions, Kubernetes-first architectures, and AI-integrated developer platforms. Adept at leading cross-functional teams.

💼 WORK EXPERIENCE

VivSoft / AIML2
🌐 https://www.vivsoft.io/
September 2021 – Present

DevSecOps Lead & Platform Architect

Led the architecture and development of Open Source platform ENBUILD a human-centered UI accelerator that simplifies and automates the deployment of P1's Big Bang DevSecOps platform enabling secure, compliant, and rapid Kubernetes-based software factory setups across cloud or on-premises environments

Highlights

◁ Architected, built, and stabilized the ENBUILD platform as part of the VivSoft Platform Team to support secure deployment of Kubernetes clusters and solutions on kubernetes.

◁ Integrated opinionated installations of DoD's Platform One Big Bang and Kubeflow into the ENBUILD platform to accelerate secure, ML-ready environments.

◁ Developed backend microservices in Golang for the ENBUILD platform, including LLM-powered chatbots and Terraform code generators

◁ Designed and implemented the Model Context Protocol (MCP) to integrate AI-driven insights with observability tools such as Grafana.

◁ Created infrastructure-as-code (IaC) using Terraform, Helm Charts, and Crossplane Packages to deliver reusable ENBUILD Catalog items for federal clients.

◁ Built and later transitioned from a custom Kubernetes operator in Golang to Crossplane to streamline application deployments.

◁ Implemented GitOps workflows using Argo CD and Flux CD for consistent, version-controlled CI/CD across multiple Kubernetes clusters.

◁ Created and maintained hardened AMIs and Docker images aligned with federal security standards to ensure secure software deployments.

◁ Secured ENBUILD containers and achieved Iron Bank approval, meeting stringent DoD compliance requirements.

◁ Deployed robust monitoring and alerting solutions using Prometheus and Grafana to support real-time observability of platform services.

Hitachi Vantara / ReanCloud
🌐 https://www.hitachivantara.com/en-us/home
September 2016 – September 2021

Principal Cloud Architect

Led the global DevSecOps transformation for REAN's accelerator platform, driving its migration to Kubernetes with scalable CI/CD, air-gapped deployments, and federal-grade compliance.

Highlights

◁ Architected and executed a full platform migration to Kubernetes, including Helm packaging and automated CI/CD pipelines for SaaS and client-side deployments.

◎ CONTACT

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🏛 EDUCATION

2000 2004
North Maharashtra University
🎓 Bachelor of Engineering

Computer Science

Grade: 65.71% (First class with distinction)

1998 2000
Nashik
🎓 HSC

Higher Secondary Certificate

Grade: 71.83% (First class)

1996 1998
Nashik
🎓 SSC

Secondary School Certificate

Grade: 68.53% (First class)

- Developed Terraform-based automation to provision EKS clusters for HCAP platform deployment in both cloud and air-gapped environments, including for US Transcom.

- Developed Custom Terraform Providers in Golang for custom tools to be used within HCAP DEPLOY

- Designed and implemented secure, Security Technical Implementation Guide (STIG) compliant hardened AMIs and Docker containers, aligning with federal compliance standards.

- Built and deployed cloud accelerator platforms in air-gapped environments, handling installation, configuration, and compliance automation.

- Defined resilient microservices deployment strategies for large-scale online portals, improving availability and operational robustness.

- Delivered Kubernetes-based CI/CD automation for Independent Software Vendor (ISV) projects, accelerating containerized software delivery.

- Migrated legacy workloads to containerized microservices, enhancing scalability, resilience, and maintainability.

- Architected multi-region, cost-optimized AWS infrastructure with configuration management.

- Led REAN Cloud's Managed Services team, mentoring L1/L2 engineers and establishing standardized processes for cloud operations and support.

Mode Media Corporation / Ning Inc
🌐 https://www.ning.com/
October 2012 – September 2016

Senior Manager - Technical Operations
Led infrastructure operations, cloud migration, and site reliability engineering for a high-traffic media platform serving over 200M monthly users.

Highlights

- Led a global team of system engineers to manage and maintain large-scale production infrastructure of around 3000 physical servers and 3000 LXC containers running complex microservices.

- Migrated ad-serving platforms from colocated data centers to AWS, re-architecting them into microservices using Docker for enhanced scalability and reliability.

- Supported the transition of infrastructure from Ning-managed data centers to Mode Media colocations, ensuring minimal downtime and seamless operations.

- Automated bare-metal provisioning and LXC container virtualization using Cobbler, Ansible, and built in tool called Ning Galaxy, significantly reducing infrastructure deployment time.

- Implemented a distributed monitoring solution for over 3,000 servers and 50,000+ services using Check_MK and Nagios with custom plugins to improve observability and proactive issue resolution.

- Standardized DevOps automation tooling using GitLab, HAProxy, Hadoop, DNS, Slack integrations, private Yum repositories, and custom inventory management.

- Centralized cron job orchestration by replacing fragmented scheduling across servers with Jenkins pipelines, improving reliability and auditability.

- Built real-time executive dashboards using Dashing to provide unified visibility into infrastructure and application health across the enterprise.

Cybage Software
🌐 https://www.cybage.com/
April 2007 – October 2012

Team Lead - Technical Operations
Led infrastructure operations and delivery transitions for clients in media, travel and e-commerce sectors.

Highlights

✸ CERTIFICATES

November 2020 **Linux Foundation**
📖 Certified Kubernetes Developer (CKAD)
🌐 Verify Claim

October 2018 **Linux Foundation**
📖 Certified Kubernetes Administrator (CKA)
🌐 Verify Claim

July 2018 **Amazon Web Services**
📖 AWS SysOps Administrator – Associate
🌐 Verify Claim

June 2018 **Amazon Web Services**
📖 AWS Solutions Architect – Associate
🌐 Verify Claim

October 2011 **EXIM**
📖 ITIL V3 Foundation
🌐 Verify Claim

☰ SKILLS

Cloud & Platform Engineering
AWS (Commercial & GovCloud)
Azure and Google Cloud Platform (GCP)
Hybrid and Multi-Cloud Architecture
Cloud-Native Platforms
Air-Gapped Infrastructure
Internal Developer Platforms (IDP) Engineering
Backstage Developer Portal
Infrastructure Cost Optimization

Linux, Systems & Infrastructure Administration
Linux System Administration   Shell Scripting
System Monitoring & Hardening
Configuration Management (Ansible, Chef, Puppet)

Kubernetes & Container Orchestration
Kubernetes (EKS, AKS, GKE, RKE2, K3S, OKE)
Development of Helm Charts & Custom Kubernetes Operators
Service Mesh (Istio, Linkerd)
OPA Gatekeeper, Kyverno   Platform One Big Bang
Docker, ECS , Compose and Swarm

DevSecOps, GitOps & Automation
GitOps (fluxCD, ArgoCD)
CI/CD Pipelines (GitHub Actions, GitLab CI, Jenkins)
Infrastructure as Code (Terraform, CloudFormation, Crossplane)
Secrets Management (Vault, SOPS)

◀ Managed cross-functional technical teams, implemented robust monitoring systems, and played a strategic role in business development initiatives.

◀ Led infrastructure operations across multiple Remote Infrastructure Management System (RIMs) projects, ensuring SLA adherence and 24x7 uptime.

◀ Successfully transitioned four global operations projects (Rubicon, Proviner, KN-Dimestore, DivXTV), including onboarding, tooling, and knowledge transfer.

◀ Deployed and maintained enterprise-grade monitoring and visualization tools including Nagios, BigBrother, Cacti, Munin, RRDtool, Graphite, and Grafana.

◀ Managed resource allocation, team rosters, and leave planning across multiple support teams to maintain high operational continuity.

◀ Collaborated with Delivery Managers on proposals and client capability presentations, contributing to successful business development and project wins.

DX Technologies Pvt. Ltd.
February 2005 – October 2005

Technical Support Engineer
Provided L2-L3 technical support for Linux server environments and application monitoring solutions

Highlights

◀ Installation, maintenance and support of Linux Servers and applications (DXContent Factory, DX-Reader etc)

◀ Delivered L2-L3 technical support for Linux server environments, ensuring high availability and performance.

⚘ PROJECTS

◀ **ENBUILD**: ENBUILD is a turnkey DevSecOps platform simplifying Kubernetes and Platform One Big Bang deployments across multi-cloud and on-premise environments.

◀ **Hitachi Accelerator Cloud Platform (HCAP)**: HCAP is a suite of products to accelerate the migration and deployment, assessment of applications on Public Clouds.

◀ **Terradata TMC**: At REAN Cloud, contributed to the design and implementation of an automated, API-driven provisioning system with a management UI for deploying VLAN-segregated TMC application instances across IntelliFlex™, IntelliBase™, and AWS for the Teradata TMC team.

◀ **LiteNing**: LiteNing was an effort to merge the infrastructure and tooling of Ning Inc and mode media/glam media, after it was acquired.

Observability, Monitoring & SRE

Prometheus & Grafana   OpenTelemetry

KubeVela   Kubernetes Dashboard and Headlamp

Nagios, Check_MK, Datadog

Jaeger & Distributed Tracing

ELK Stack, Fluentd, Loki

Alerting & Incident Management (PagerDuty, OpsGenie)

SLOs, SLIs, Error Budgets

Security & Compliance

DISA STIG Compliance   CIS Benchmarks

Container Security (Trivy, Twistlock, Anchore)

Infrastructure Security Scanning (Checkov, tfsec)

RBAC, Network Policies   Zero Trust Architecture

Vulnerability Management   Security Automation

AI/ML & LLM Integration

Kubeflow , MLFlow

LangChain, LangFlow, LLM Agents

OpenAI API, HuggingFace Transformers

Prompt Engineering

Model Context Protocol (MCP)

Vector Databases (Chroma, Pinecone)

Retrieval-Augmented Generation (RAG)

Programming, Scripting & APIs

Python   Golang   Bash

REST & gRPC API Development

IaC Scripting (Terraform, YAML)

Automation Workflows

Product & Team Leadership

Internal Developer Platform (IDP) Design

Cross-Functional Team Leadership

Mentoring & Coaching

Stakeholder Communication

Agile & Scrum Practices

Roadmap Planning & Delivery

Hiring & Performance Reviews

Conflict Resolution

🔤 LANGUAGES

◀ English   **Professional working proficiency**

◀ Hindi   **Native or bilingual proficiency**

◀ Marathi   **Native or bilingual proficiency**