JUNED MEMON

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

👤 ABOUT

Versatile DevSecOps 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 and transforming traditional IT into high-performing automated infrastructures.

💼 WORK EXPERIENCE

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

DevSecOps Lead & Platform Architect

Led the architecture and development of ENBUILD integrating Platform One BigBang

Highlights

◁ Designed and implemented ENBUILD as an internal developer platform, combining GitOps practices, Kubernetes management, and Terraform-based infrastructure automation.

◁ Integrated LangChain and OpenAI APIs into the platform to support basic LLM-based use cases like code generation and chatbot assistance for platform users.

◁ Contributed to the creation of the Model Context Protocol (MCP) to improve integration between AI outputs and monitoring tools like Grafana and Prometheus.

◁ Automated Configuration and deployment of Platform One Big Bang on RKE2/EKS Kubernetes using Iron Bank containers, focusing on compliance and security baselines.

◁ Built pipelines for secure MLOps environments using Kubeflow, addressing basic data ingestion and model deployment workflows in air-gapped scenarios.

◁ Implemented GitOps workflows using ArgoCD and fluxCD for consistent, version-controlled deployments across multiple Kubernetes clusters.

◁ Secured ENBUILD Containers and got them approved for Iron Bank, ensuring compliance with federal security standards.

◁ Developed automated testing frameworks for CI/CD pipelines, enhancing deployment reliability and reducing integration issues.

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 full platform migration to Kubernetes with Helm packaging and automated CI/CD pipelines.

◁ Implemented air-gapped deployments using Terraform and STIG-hardened AMIs to meet federal compliance requirements.

◁ Contributed to core product architecture, designing cloud-native accelerator solutions for regulated industries.

◁ Developed automated STIG (Security Technical Implementation Guides) compliance

◎ 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)

☰ SKILLS

Cloud & Platform Engineering

AWS (Commercial & GovCloud)

Azure & Azure Government

Google Cloud Platform (GCP)

Hybrid and Multi-Cloud Architecture

Cloud-Native Platforms

Air-Gapped Infrastructure

Internal Developer Platforms (IDP)

Infrastructure Cost Optimization

workflows for AMIs and containers

◀ Defined microservices deployment strategies for high-scale online portals with
enhanced resilience.

◀ Delivered CI/CD automation for an Independent Software Vendor (ISV), accelerating
delivery on Kubernetes.

◀ Led REAN Cloud's Managed Services team, mentoring engineers and standardizing
cloud operations.

◀ Architected multi-region, cost-optimized cloud infrastructure with centralized secrets
management.

◀ Migrated legacy workloads to containerized microservices, improving scalability and
operational efficiency.

Mode Media Corporation / Ning Inc
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

◀ Managed a global team of system engineers to maintain large-scale production
infrastructure and web applications.

◀ Automated bare-metal provisioning and LXC virtualization using Cobbler and Ansible,
accelerating infrastructure readiness.

◀ Led the migration of adserving platforms from colocation to AWS, rearchitecting into
microservices using Docker.

◀ Built distributed monitoring for 3500+ servers and 50K+ services using Check_MK and
Nagios with custom plugins.

◀ Standardized DevOps tooling for automation with GitLab, HAProxy, Hadoop, DNS,
Slack integrations, and private Yum repos.

◀ Centralized cron job orchestration via Jenkins, replacing scattered task scheduling
across environments.

◀ Developed unified executive dashboards with Dashing for real-time visibility into
infrastructure and application health.

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

Team Lead - Technical Operations
Led global infrastructure operations and delivery transitions for clients in finance, media, and
e-commerce sectors. Managed cross-functional technical teams, implemented robust
monitoring systems, and played a strategic role in business development initiatives.

Highlights

◀ Led infrastructure operations across multiple Remote Infrastructure Management
(RIM) 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.

Linux, Systems & Infrastructure Administration

Linux System Administration   Shell Scripting

System Monitoring & Hardening

Configuration Management (Ansible, Puppet)

Patch Management   High Availability Systems

Edge-to-Cloud Infrastructure

Kubernetes & Container Orchestration

Kubernetes (EKS, AKS, GKE, RKE2, K3S)

Helm Charts & Custom Kubernetes Operators

Service Mesh (Istio, Linkerd)

OPA Gatekeeper, Kyverno   Platform One Big Bang

Iron Bank Containers   Backstage Developer Portal

DevSecOps, GitOps & Automation

GitOps (fluxCD, ArgoCD)

CI/CD Pipelines (GitHub Actions, GitLab CI, Jenkins)

Infrastructure as Code (Terraform, CloudFormation, Crossplane)

Secrets Management (Vault, SOPS)

Security as Code   Policy-as-Code (OPA, Kyverno)

DevSecOps Pipelines   Compliance Automation

Observability, Monitoring & SRE

Prometheus & Grafana   OpenTelemetry

Headlamp   KubeVela   Kubernetes Dashboard

Check_MK, Grafana Agent

Jaeger & Distributed Tracing

ELK Stack, Fluentd, Loki

Alerting & Incident Management (PagerDuty, OpsGenie)

Monitoring as Code (Prometheus Operator)

SLOs, SLIs, Error Budgets

Security & Compliance

DISA STIG Compliance   CIS Benchmarks

Container Security (Trivy, Aqua, Twistlock, Anchore)

Infrastructure Security Scanning (Checkov, tfsec)

RBAC, Network Policies   Zero Trust Architecture

Vulnerability Management   Security Automation

AI/ML & LLM Integration

Kubeflow Pipelines   MLFlow

LLM Agents Architecture   LangChain, LangFlow

OpenAI API, HuggingFace Transformers

Prompt Engineering

Model Context Protocol (MCP)

Vector Databases (FAISS, Chroma, Pinecone)

Retrieval-Augmented Generation (RAG)

LLMOps in Air-Gapped Environments

Programming, Scripting & APIs

Python   Golang   Bash

REST & gRPC API Development

IaC Scripting (Terraform, YAML)

Automation Workflows

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.

Product & Team Leadership

> **Internal Developer Platform (IDP) Design**
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> **Cross-Functional Team Leadership**
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> **Mentoring & Coaching**
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> **Stakeholder Communication**
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> **Agile & Scrum Practices**
>
> **Roadmap Planning & Delivery**
>
> **Hiring & Performance Reviews**
>
> **Conflict Resolution**

♥ INTERESTS

Open Source Contributions

> **Kubernetes Projects**   **DevSecOps Tools**
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> **GitOps Tools**   **AI/ML Frameworks**
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> **Reusable Infrastructure as Code modules**

Community Engagement

> **DevSecOps Meetups**