

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.

CONTACT



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GitHub
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Twitter
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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)

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

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

- 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 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, rearchitected 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.

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.

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

♥ INTERESTS

Open Source Contributions

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

Community Engagement

DevSecOps Meetups