# 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.

◄ 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

## ◎ 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) |

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**

◁ 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-

## ✸ 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**

**Backstage Developer Portal**

**Cloud 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 Controllers/Operato**

**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)**

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)**

## 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

**Bash**     **Python**     **Golang**

## 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**