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

◁ Architected and led the development of ENBUILD, a turnkey DevSecOps platform simplifying Platform One Big Bang deployments across multi-cloud and on-premise environments.

◁ Integrated AI microservices, including LLM-powered chatbots and Terraform code generators using LangChain, enhancing automation capabilities.

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

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

◁ Built an automation for installing 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.

◎ CONTACT

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🌐 https://junaid18183.github.io/

in LinkedIn
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GitHub
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GitLab
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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

◄ 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, 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.

✸ CERTIFICATES

November 2020

Linux Foundation
📖 Certified Kubernetes Developer (CKAD)

🌐 https://www.youracclaim.com/badges/39b75d40-5a4b-46c9-965a-5cbc86abec9f/public_url

October 2018

Linux Foundation
📖 Certified Kubernetes Administrator (CKA)

🌐 https://www.youracclaim.com/badges/39b75d40-5a4b-46c9-965a-5cbc86abec9f/public_url

July 2018

Amazon Web Services
📖 AWS SysOps Administrator – Associate

🌐 https://www.youracclaim.com/badges/9a441b51-6587-4135-a664-0e504c73d317/public_url

June 2018

Amazon Web Services
📖 AWS Solutions Architect – Associate

🌐 https://www.youracclaim.com/badges/988261f3-7e65-4700-ad70-1be5fd3c854c/public_url

October 2011

EXIM
📖 ITIL V3 Foundation

🌐 https://github.com/junaid18183/junaid18183/blob/main/assets/juned-memon-ITILV3-certificate.pdf

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

♥ INTERESTS

Open Source Contributions

Kubernetes Projects   DevSecOps Tools

GitOps Tools   AI/ML Frameworks

Reusable Infrastructure as Code modules

Community Engagement

DevSecOps Meetups