

Juned Memon

Pune



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.

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Work Experience

DevSecOps Lead & Platform Architect

2021 - Present

Led the architecture and development of ENBUILD integrating Platform One BigBang

- 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.
- Configured and deployed Big Bang (Platform One) Kubernetes modules 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.

Principal Cloud Architect

2016 - 2021

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.

- 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 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.
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Senior Manager - Technical Operations

2012 - 2016

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

- 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 ad-serving 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.
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Team Lead - Technical Operations

2007 - 2012

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.

- 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.
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Technical Support Engineer

2005 - 2005

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

- 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.
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Education

North Maharashtra University

Computer Science, Bachelor of Engineering

2000 - 2004

Nashik

Higher Secondary Certificate (HSC)

1998 - 2000

Nashik

Secondary School Certificate (SSC)

1996 - 1998

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
- **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

- **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