

BHARAD NANNURI

Senior Solutions & Platform Architect | Distributed Systems | Developer Experience & Reliability Engineering
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PROFESSIONAL SUMMARY

Senior Solutions and Platform Architect with 10 years of experience designing and operating business-critical distributed systems. Hands-on background in Java, Spring Boot, Kafka, Kubernetes, API gateways, and CI/CD platform engineering. Experienced in building internal developer tooling, improving software delivery pipelines, driving engineering standards across teams, and leading Sev-1 incident response for high-availability systems. Proven ability to influence architecture and platform strategy across engineering organizations.

CORE SKILLS

Architecture & Platform: Distributed systems, microservices, event-driven architecture, internal developer platforms, CI/CD systems, high availability, disaster recovery

Backend Engineering: Java, Spring Boot, REST APIs, high-throughput pipeline design, multithreaded processing, backend service design

Messaging & Integration: Apache Kafka, asynchronous processing, replay pipelines, API gateway patterns, service integration

Platform & Containers: Kubernetes, OpenShift, Docker, WildFly, cloud-native deployment, on-premise data centers

Security & Identity: Kong API Gateway, LDAP, Active Directory, OAuth2/JWT, authentication, rate limiting

Operations & Delivery: CI/CD pipelines, observability, monitoring, Sev-1 incident leadership, RCA, traffic routing, deployment automation, engineering standards

PROFESSIONAL EXPERIENCE

Senior Architect - Solutions & Reference Architecture | IMC Logistics | Memphis, TN | 2024 - Present

- Own architecture decisions for Tier-1 backend systems supporting dispatch, billing, document processing, and core logistics workflows where prolonged outages directly affect business operations.
- Designed and scaled a document-processing platform handling 500K-1M transactions per day; optimized throughput and latency by analyzing batching, threading, and I/O behavior under production load.
- Designed a MinIO-based fallback layer after a downstream outage exposed recovery gaps; added health-check-driven fallback and automated replay pipelines to protect data during service interruptions.
- Lead Sev-1 incident response for critical production issues - live diagnostics, targeted code-level fixes, stakeholder communication, and post-incident root-cause analysis.
- Established API gateway standards using Kong for authentication, rate limiting, and traffic routing; improved consistency and observability across service integrations.
- Defined CI/CD pipeline standards and deployment automation patterns adopted across engineering teams, reducing release friction and improving delivery reliability.
- Serve as primary maintainer for internal and external Layer 7 traffic on Kemp LoadMaster; lead data-center migration work involving re-IP, health checks, routing changes, and controlled cutovers.

Senior Software Engineer - Backend & Platform Engineering | IMC Logistics | Memphis, TN | 2017 - 2024

- Designed and delivered Java and Spring Boot services for dispatch, billing, and customer-facing logistics workflows; several services remain active in production and continue to evolve.
- Led decomposition of legacy monolithic applications into independently deployable microservices, improving fault isolation, deployment velocity, and maintainability across multiple business domains.
- Shifted synchronous workflows to Kafka-based event-driven processing, enabling durable message handling, replay capability, and improved scaling during high-volume periods.
- Improved CI/CD pipeline stability by identifying recurring deployment failures, standardizing release steps, and building internal tooling to reduce avoidable deployment errors.
- Built internal developer tooling and self-service patterns for deployment workflows, reducing manual steps and improving engineering team productivity across multiple squads.
- Modernized API authentication by integrating LDAP, Active Directory, and token-based flows across services that previously relied on inconsistent approaches.
- Supported migration of services from WildFly-hosted deployments to Docker and OpenShift, improving deployment consistency and operational control.
- Participated in Kafka broker upgrades and production platform maintenance, coordinating changes to minimize service disruption.

- Mentored junior and mid-level engineers through design reviews, code walkthroughs, and production troubleshooting; raised engineering standards across the team.

TECHNOLOGIES

Java · Spring Boot · REST APIs · SOAP APIs · Apache Kafka · Kubernetes · OpenShift · Docker · Kong API Gateway · OAuth2/JWT · LDAP · Active Directory · MinIO · RDBMS · NoSQL · CI/CD Pipelines · Deployment Automation · Observability & Monitoring · Git · Kemp LoadMaster · WildFly

EDUCATION

Master of Science | Texas A&M University | 2014 - 2016