Franco Chalissery

Software Architect · Distributed Systems, Cloud Architecture, Backend Scalability

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SUMMARY

Engineering leader experienced in designing and scaling distributed systems, cloud-native microservices, and event-driven architectures. Proven track record of leading cross-functional teams, mentoring engineers, and driving technical vision across large-scale, high-availability platforms. Strong collaborator with product and business stakeholders, aligning technical roadmaps with business outcomes.

SKILLS

Technical	Python, Go, SQL, RESTful APIs, Redis, MongoDB, Elasticsearch, Kafka, GenAI
Cloud & DevOps	AWS, Azure, Docker, CI/CD, monitoring (Splunk, Prometheus, Grafana, ELK)
Core	Distributed systems, microservices architecture, cloud computing, scalable system design, data engineering, performance optimisation
Leadership	Mentoring and team leadership, cross-functional collaboration, stakeholder communication, conflict resolution
CS fundamentals	Algorithms, data structures, object-oriented design, system design

EXPERIENCE

Software Architect · Radisys India, Bangalore — Nov 2012 – Present

- Designed and implemented a cloud-native Media Server that eliminated single points of failure and improved availability and fault isolation.
- Redesigned the Media Server to support 20K RPM, reducing end-to-end latency by 30% and improving the product-wide user experience.
- Led the design, implementation, and rollout of a multi-cell architecture for Identity Services, improving fault isolation, resilience, and high availability across regions.
- Architected a highly scalable, distributed real-time data synchronisation pipeline on Kafka and Elasticsearch, enabling low-latency, tenant-aware updates and fast, flexible search across customer data.
- Architected a canary rollout module enabling phased deployments, early issue detection, and lower transition risk.
- Improved service resilience with fail-open strategies, load shedding, rate limiting, and caching, leading to significant availability gains.
- Building GenAI-assisted vulnerability assessment and remediation for legacy products: a tracker for assessment and remediation plus a mitigation system.
- Operated Tier-0 services through on-call leadership, in-depth incident analysis, and systemic fixes delivered across teams.
- Collaborated with product teams and stakeholders to align technical solutions with business and integration goals.
- Mentored and coached a team of 6–8 engineers, leading to multiple promotions to senior roles within a year and a high-performance culture that accelerated delivery.

Lead Engineer · Sasken Communication, Bangalore — Dec 2006 – Aug 2012

- Designed and developed middleware at the heart of the eNodeB and the CDMA RNC, as part of the core network middleware team.
- Developed a green deployment procedure for the RNC software, crucial for multiple North American vendors.
- Developed interfacing components for ATCA hardware: IPMC, Shelf Manager, and Switch Blade.
- Partnered with SRE, DevOps, and cross-functional teams to meet strict data and search SLAs.
- Hired, mentored, and promoted engineers, building a collaborative, high-performing team.

Software Engineer · Tandem Infotech, Bangalore — Mar 2005 – Nov 2006

- Developed a Linux kernel module for a new printer model previously run by standalone software, integrated on soft real-time Linux.
- Implemented a printer module reporting statistics (ink, hardware diagnostics, and more) to a configurable central console.

OPEN SOURCE

Themis · github.com/tofchaliss/themis — Go · PostgreSQL

Security-intelligence backend that ingests SBOM and VEX documents, correlates components against NVD and OSV CVE feeds, and produces prioritised, triaged findings; with a governed AI runtime (themis-ai-runtime) that keeps model output advisory.

EDUCATION

Post Graduate Diploma in Embedded System Design · CDAC, Trivandrum

Bachelor of Engineering, Electronics and Communication Engineering · Mookambigai Engineering College, Trichy