

KARTHIKEYAN C (KC)

Senior Service Delivery Manager (Solution Architect)
NCS Group (14.5 Years)

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PROFILE

Established player in Technical Architectures (**Information Systems and Technology**). Highly experienced professional in **Core banking** product design and delivery. Proficient in architecting **containerized** applications and its ecosystem. Driving strategic goals to efficient transformation programs. Expert in building **Cloud native applications**. Held Decisive positions and influenced the portfolio and enterprise towards innovation with effectiveness.

SYNOPSIS

- ❑ Over **14 Years** experience in **Finacle** core banking design, solution and implementation.
- ❑ **Delivery manager** cum architect for financial services for NCS group.
- ❑ Over **6 Years** of customer handling and delivery experience in singapore for **DBS Bank Ltd, Bank Of America-Merrill Lynch**.
- ❑ **TOGAF Certified Enterprise Architect**, playing the role of technical architect & solutions.
- ❑ **AWS certified solutions architect - professional**, holding experience of hosting robust finacle core banking solutions on cloud as micro services and its complete ecosystems.
- ❑ **CNCF certified kubernetes administrator - expert** in micro services design and first ever cloud based banking deployment for **DBS** on hybrid cloud.
- ❑ Core banking application design. The modern day fitment engineers to on-prem, cloud and hybrid cloud.
- ❑ Proficiency in building containerized applications. Expert contributor to **Docker** and **Kubernetes**.
- ❑ Micro services design and Legacy systems re-architecting. Architect of singapore core banking **micro services platform for DBS**.
- ❑ Management and Delivery of end to end banking projects on technical grounds and associated risks.
- ❑ Hardcore programmer in **Javascripts** and **Java**, python, C, C++
- ❑ Stakeholder Management and Decisions. Business requirement analysis , Subsequent system fitment study, identifies the gap and provides solutions. Solutions that identify the right system candidate for interfacing.

PROFESSIONAL EXPERIENCE SNAPSHOT

Handling the project team to drive solutions, Deriving best practices, Code review, POC & Demonstration to stakeholders, delivery and Team management.

- ❑ Senior Service Delivery Manager of financial services **NCS Group** - Mar 2021 onwards
- ❑ Technology Architect & Development Team Lead for **DBS Bank Ltd** **Infosys Limited** – July 2014 to Mar 2021
- ❑ Technology Project Lead. **Infosys Limited** – May 2012 to Jun 2014
- ❑ Product delivery lead at **CFS, Manchester** **Infosys Limited** – Jun 2010 to May 2012
- ❑ Software Engineer through Technology Analyst **Infosys Limited** – Jan 2007 to May 2010

EDUCATION

Bachelor of Engineering in Electronics and communication. (First class honors)

Anna University, Chennai, India.

TECHNICAL SKILL

- ❑ Hardcore **C, C++** developer. Expert in **Javascript** and some **JAVA, Python**.
- ❑ Proficiency in container related technologies **Docker & Kubernetes**.
- ❑ Day in Day out with platforms **Openshift, EKS and its ecosystem**.
- ❑ Expert in **Core banking** System design and its integrations.
- ❑ Architecture solutions in **AWS**.

CERTIFICATIONS

- ❑ **TOGAF Certified Enterprise Architect.**
- ❑ **AWS Certified Solutions architect - Professional.**
- ❑ **CNCF Certified Kubernetes administrator.**

RECOGNITIONS

- ❑ **Infosys GEM** Awards 2012 for Finacle Multi Entity innovations.
- ❑ **Infosys GEM** Awards 2009 for Emirates NBD finacle v10.4 delivery.
- ❑ **Infosys Excellence** Awards 2011 for CFS solution delivery.

ARCHITECTURE & SOLUTIONS EXPERIENCE

COMPONENT	EXPERIENCED	SKILLED
APPLICATION		
INGRESS	Istio, Nginx, ALB, NLB, API Gateway	Kong, openResty
LANGUAGES	Javascript, Java, C++	Python
FRAMEWORKS		
FRONTEND	React	Angular, Vue, Django
BACKEND	Spring Boot, Node Js	
DATA		
SQL	Oracle, Postgres, EDB	mySql, NDB, Galera, MySQL, Maria
NOSQL	Mongo, DynamoDB	couchDB, cockroach DB, Spanner
TECHNOLOGY		
MONOLITH	SOA, Hexagonal, DDD	
MICROSERVICES	Docker, Kubernetes, Lambda, openFAAS	Cloud functions
CLOUD SERVICES	Openshift, AWS, SAAS	
INTEGRATION		
METHOD/PROTOCOL	SAML, COTP, Rest, SOAP, gRPC, file, common data store, Event source	Avro, parquet, graphQL
PATTERNS	Sagas, TCC, circuit breaker, bulkhead	
STORAGE		
NAS	NFS, GPFS, EFS	
SAN	EBS, openEBS	iSCSI
DESIGN		
MIDDLEWARE	Rabbit MQ, Kafka, Redis, zookeeper	
LOGGING	EFK, ELK, Log streaming	Cloudwatch, Stackdriver
MONITORING	Kiali, Prometheus, Grafana, Kibana, Jagger	
DEPLOYMENT STRATEGIES	Rolling, BG, A/B, Canary, Jenkins	JIRA
ALGORITHM	RAFT	Paxos
SYSTEM DESIGN	Distributed, HA cluster, microservice, share-nothing, share-everything, 12 Factor APP	
CLUSTER DESIGN	DC-DR, Active-Active, Lead-shadow	Multi Master

PROFESSIONAL EXPERIENCE

Senior Service Delivery Manager (NCS - Financial Services):

- ❑ Organization level architect for the financial services unit for NCS, which includes DBS, OCBC, May bank, JPMC.
- ❑ Singtel-Grab core banking (thought machine) delivery manager and architect.
- ❑ Managing & Delivering end to end projects new LM solution for DBS.

Technology Architect & Development Team Lead (DBS Bank Ltd):

- ❑ Joined in 2014 in a milestone project for retail & corporate payment solutions. It was ground up designed in order to handle high volume, low latency expectations set by DBS.
- ❑ The study for the first ever containerized solution of finacle kick started in late 2019 with openshift (kubernetes platform), Docker runtime, EFK stack, Istio service mesh, fluent based logging, monitoring and proactive monitoring, alert solutions.
- ❑ The containerized solution hosted in AWS from product end for strategic product roadmap. The staging and testing would happen in AWS with dynamic workloads and production at on-prem, making the first ever hybrid deployment of a robust core banking solution.
- ❑ The first ever AWS cloud deployment of traditional Finacle v10.2 was successfully tested. This was a replatform of an existing stack for the benefit of reducing infrastructure cost.
- ❑ Replatform of unix version finacle v10.2 to newer version.
- ❑ Payments module SPOC and team lead delivered more than 100 URs.
- ❑ Infosys level Tier-I technical expert for product design and solution.

Technology Project Lead (DFS, ENBD):

- ❑ Finacle Core banking implementation to Discover financial services, US. First even API-driven banking with zero physical banking infrastructure.
- ❑ ENBD-Dubai for v10.4 support of interfaces design and delivery.
- ❑ Innovative EOD Batch framework solution and delivery.

Product Delivery Lead (CFS - UK):

- ❑ Finacle Core banking implementation to CFS, UK. Headed the payment systems interfaces, design and delivery.
- ❑ Multi-country hosting of a single application instance was designed by me for CFS and subsequently made available in next releases.
- ❑ Engaging the on-site team with offshore development team for status, coordination, end to end delivery responsibility.

Software Engineer through Technology Analyst (Development centre, Infosys - India):

- ❑ Started as a software developer in native C language and C++.
- ❑ Played a role of dev-ops lead, build automation systems, patching systems.
- ❑ Acquired extensive knowledge on Javascripts, Python, Java.

PRE-SALES EXPERIENCE

In addition to regular finacle core product implementation, as an architect of finacle to pre-sales,

- ❑ **Bank of America Merrill Lynch:** As solution architect represented the team of product and implementation for Bank of America Merrill lynch (BAML) and successfully won the deal for 16 country implementations of all modules of core banking.
- ❑ **DBS Paylah Wallet:** Architect for wallet solution under the brand of finacle. Executed 10 weeks of product alignment activities to finacle w.r.to specific wallet related gaps.

SUMMARY

- ❑ Technical architect for complete design of **Docker and Kubernetes** based core banking applications of the first ever implementation of DBS.
- ❑ Highly skilled **CORE Banking** System Architect with 1 years of experience in the IT/Banking including **7 years** of Singapore experience and 2 years of Europe region.
- ❑ **Stability & Performance** improvement Anchor. Technical Solution Consultant of core banking system and its bank wide interfaces.
- ❑ Enormous experience in Project Management caliber to drive the project efficiently by providing both **business & technical solutions, efforts sizing** and technical and design specifications for business initiatives and ensure the smooth operational rollout of projects.
- ❑ Strong technical expertise as worked in both Product development & Implementation stages.
- ❑ Well experienced professional in engaging different technology partners and regulatory bodies as part of project Implementation and Support.
- ❑ Excellent problem-solving skills with strong Technical background & good interpersonal skills.
- ❑ Experienced in **managing large & multi-vendor** project implementation.