

NAGA KIRAN KASI

Novi, MI 48377 | 1-224-875-9748 | nkirankasi@gmail.com | www.nagakirankasi.com

PROFESSIONAL SUMMARY

Mainframe Solutions Lead & Modernization Architect with 21+ years of enterprise IBM mainframe development and architecture experience across Healthcare, BFSI, and Capital Markets. Deep expertise in full-cycle SDLC delivery — from requirements gathering and functional specifications through COBOL/CICS/IMS/DB2 development, testing, and production support. Proven track record architecting complex multi-tier and cross-platform solutions, driving mainframe-to-cloud modernization, and leading cross-functional teams across Agile and Waterfall environments. PMP-certified with \$20M+ project portfolio delivery across large enterprise organizations.

KEY ACHIEVEMENTS

- Delivered ROM estimates for 50+ enterprise projects valued at \$20M+ over 3 years, shaping investment and technology roadmap decisions at BCBSM.
- Saved \$250K in mainframe storage and CPU costs by modernizing 20-year-old CGDP COBOL programs, unifying CGDP and MDP on a shared DB2 backend.
- Architected zero-defect migration of 200K+ Medicare Advantage members, designing 20+ reconciliation programs with zero member data loss.
- Delivered enterprise-wide MBI transition replacing legacy HICN identifiers across 500K+ members — spanning all mainframe applications, databases, and documentation with zero member disruption.
- Reverse-engineered and modernized 75+ mainframe COBOL and Assembler programs within a 9-month engagement, accelerating cloud modernization timelines.
- Reduced mainframe batch job failures from 25 to 0 and cut batch run-time by 90 minutes through VSAM optimization and scheduling corrections at GE Money.

CORE COMPETENCIES

Mainframe Technologies:	COBOL, CICS, JCL, IMS DB/DC, VSAM, DB2, Assembler, REXX, EZTRIEVE, Natural Adabas, z/OS, MQ Series
Solution Architecture:	TOGAF, Multi-tier & Cross-platform Design, Enterprise Architecture, Microservices, API Management
Cloud & Modernization:	AWS (EC2, S3, RDS, Lambda, Bedrock, SageMaker), Containerization, Legacy-to-Cloud Migration
Data & Integration:	DataStage, SQL Server, PostgreSQL, MongoDB, ETL, HL7, FHIR, CMS Interoperability
Development Languages:	COBOL, C#.NET Core, Python, SQL, Assembler, REXX
SDLC & Delivery:	Full SDLC (Analysis, Design, Dev, Test, UAT, Production Support), Agile/Scrum, Waterfall, PMP
Healthcare IT:	Medicare Enrollment, Claims Adjudication, CMS Compliance, FACETS, NASCO, Care Advance

WORK EXPERIENCE

IT Project Manager, Solutions Architect - Mainframe & Enterprise Modernization

Mar 2023 – June 2026

Blue Cross Blue Shield of Michigan (BCBSM) – Epitec Inc | Healthcare Payer | Contract

Enterprise architect and mainframe modernization lead for one of the nation's largest healthcare payers, driving full-cycle solution delivery across COBOL, DB2, IMS, and DataStage platforms.

- Gathered and analyzed business requirements for enterprise platform initiatives, translating requirements into functional specifications and technical solutions aligned with enterprise architecture roadmap.
- Architected and implemented the CMS-mandated Part-D Manufacturer Discount Program (MDP), developing 15+ mainframe COBOL programs to process CMS-sourced batch files — modernizing 20-year-old legacy CGDP programs and unifying on a shared DB2 backend, delivering \$250K in mainframe storage and CPU savings.

- Led end-to-end migration of 200K+ Medicare Advantage members — designing, developing, and testing 20+ COBOL reconciliation and reporting programs ensuring zero member data loss across the transition; built reusable migration roadmap adopted as the enterprise standard.
- Delivered ROM estimates for 50+ projects valued at \$20M+, providing business analysis and architectural scoping across multi-tier and cross-platform environments (Mainframe, Web Services, SQL Server, DataStage).
- Evaluated and integrated new IT solutions and vendors into the service portfolio; designed high-level architecture and data solutions aligned with enterprise informatics strategy.
- Continuously assessed existing mainframe architecture to identify performance gaps, proposing and implementing COBOL and batch scheduling enhancements.
- Provided post-implementation warranty support and production monitoring for all delivered mainframe and integration solutions.

IT Project Manager, Specialist — Mainframe Modernization & Cloud Architecture

Jun 2022 – Mar 2023

Global Payments – UST | Financial Services | Contract

Solutions architect delivering mainframe modernization and cloud migration for enterprise financial services clients, bridging COBOL/IMS legacy environments with AWS cloud-native platforms.

- Reverse-engineered and assessed 75+ mainframe COBOL and Assembler programs, producing detailed functional specifications and modernization roadmaps within a 9-month engagement.
- Designed and implemented cloud-based solutions on AWS (EC2, S3, RDS, Lambda), translating complex business and technical requirements into scalable, production-ready architectures.
- Led cloud migration of mainframe applications and data, architecting microservices, API management layers, and containerization strategies for seamless legacy-to-cloud transitions.
- Partnered with Development and Testing teams to evaluate and integrate new vendors and solutions, ensuring compatibility across existing enterprise infrastructure.
- Monitored post-migration performance, identifying improvement opportunities and delivering actionable enhancement recommendations.

IT Solutions Architect — Medicare Platform & Mainframe Delivery

Jul 2017 – Jun 2022

Blue Cross Blue Shield of Michigan (BCBSM) | Healthcare Payer | Contract

Senior solutions architect leading large-scale Medicare platform modernization across a 5-year engagement — full-cycle delivery of COBOL, IMS, CICS, and DB2 solutions serving 500K+ members.

- Architected and delivered the enterprise-wide MBI (Medicare Beneficiary Identifier) transition — replacing legacy HICN identifiers across 500K+ Medicare members; modernized 15+ IMS online screens, resolving outdated business logic, usability gaps, and accumulated technical debt.
- Designed and implemented Optional Supplemental Benefits (OSB) across enrollment, disenrollment, claims processing, ID card generation, and EOB production — developing and testing 50+ COBOL and batch programs with zero impact to existing non-OSB plans.
- Led implementation of auto-enrollment for members aging into Medicare, developing new COBOL programs, batch jobs, and scheduling changes to fully automate the aging-in lifecycle.
- Onboarded a 150K+ member large-group Medicare client onto the enterprise platform — architecting net-new enrollment, reconciliation, ID card processing, and EOB generation programs from the ground up without disrupting existing platform operations.
- Evaluated current architecture to identify weaknesses; conducted solution reviews with business and technical teams and directed analysts on tactical and strategic improvement plans.
- Supported UAT and post-production warranty activities for all major platform releases, ensuring compliance with CMS SLAs.

Senior Application Developer

Aug 2015 – Jul 2017

Northern Trust | Chicago, IL | Financial Services

- Gathered technical requirements and designed/developed application code across multiple Agile delivery cycles using test-driven development (TDD).
- Participated in design and planning for software rollouts; collaborated with cross-functional teams to implement new technology features.
- Resolved system test and validation issues, conducted code/peer reviews, and provided code maintenance and system upgrades to maximize performance.
- Wrote code for database-driven applications and created automated test scripts to improve release quality.

Senior Application Developer

Jul 2009 – Jul 2015

Bank of America | Los Angeles, CA | Financial Services

- Provided 24/7 production support for mission-critical mainframe applications; led root cause analysis and implemented permanent fixes for recurring production issues.
- Developed new batch modules for audit and compliance reporting using COBOL, DB2, VSAM, JCL, and CoolGen 8.5.
- Maintained and enhanced Natural Adabas systems and .NET applications; participated in disaster recovery planning and DR tests.
- Conducted code/peer reviews, prepared technical specifications, and delivered weekly status reports to client stakeholders.
- Participated in performance improvement initiatives to reduce run-time of long-running mainframe batch jobs.

IT Analyst

Mar 2005 – Jul 2009

GE Money | London, United Kingdom | Financial Services

- Reduced mainframe batch job failures from 25 to 0 in the daily batch through targeted performance analysis and scheduling corrections.
- Cut batch run-time by 90 minutes via root-cause analysis, VSAM performance optimization, and corrected scheduling dependencies.
- Developed 10,000+ lines of production COBOL, JCL, and DB2 code across enhancement and maintenance projects for VisionPlus and Cardpac card processing platforms.
- Provided technical support through test and production cycles for successful project implementations.

EDUCATION & CERTIFICATIONS

Bachelor of Engineering: Electronics & Communication Engineering

Osmania University, Hyderabad, India | 2000–2004

- AWS Certified Solutions Architect – Associate
- AWS Certified AI Practitioner
- AWS Certified Cloud Practitioner
- Project Management Professional (PMP)