

# NAGA KIRAN KASI

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[www.nagakirankasi.com](http://www.nagakirankasi.com) (Portfolio)

## Professional Summary

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Enterprise Solutions Architect with 21+ years driving mainframe modernization, cloud transformation, and AI/ML integration across Healthcare, BFSI, and Capital Markets. Proven track record delivering \$250K+ in infrastructure savings, managing \$20M+ project portfolios, and architecting mission-critical platforms serving 500K+ members. PMP-certified leader of cross-functional global teams, bridging legacy systems to future-ready cloud-native architectures on AWS.

## Key Achievements

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- Delivered ROM estimates for 50+ projects valued at \$20M+ over 3 years at BCBSM, directly shaping enterprise investment and technology roadmap decisions.
- Architected zero-defect migration of 200K+ Medicare Advantage members across plan types, meeting all CMS-mandated SLAs for ID card issuance and Welcome Kit delivery.
- Saved \$250K in mainframe storage and CPU costs by modernizing 20-year-old CGDP programs and unifying CGDP and MDP on a shared DB2 backend.
- Delivered enterprise-wide MBI transition replacing legacy HICN identifiers across 500K+ Medicare Advantage members — spanning all applications, databases, and documentation with zero-member disruption.
- Onboarded 150K+ member large-group Medicare client onto the enterprise platform, architecting net-new enrollment, reconciliation, and EOB generation pipelines from the ground up.
- Reverse-engineered and modernized 75+ mainframe COBOL and Assembler programs within a 9-month engagement at UST, delivering on-time cloud modernization outcomes.
- Reduced mainframe batch job failures from 25 to 0 and cut batch run-time by 90 minutes at GE Money through targeted performance analysis and VSAM optimization

## Core Competencies

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- **Enterprise & Cloud Architecture:** TOGAF, AWS (EC2, S3, RDS, Lambda, Bedrock, SageMaker), Microservices, API Management, Containerization, Cloud Migration
- **Mainframe & Legacy Systems:** COBOL, JCL, Assembler, CICS, IMS DB/DC, VSAM, DB2, EZTRIEVE, Natural Adabas, z/OS
- **Data & Integration:** DataStage, SQL Server, PostgreSQL, MongoDB, ETL, Data Architecture, HL7, FHIR, CMS Interoperability
- **Programming & Scripting:** Python, C#.NET, REXX, SQL
- **Healthcare IT:** Medicare Enrollment, Claims Adjudication, CMS Compliance, FACETS, NASCO, Care Advance
- **Leadership & Delivery:** PMP, Agile/Scrum, Stakeholder Management, Vendor Evaluation, Onshore/Offshore Team Leadership, ROM Estimation

## Work Experience

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### IT Solutions Architect

Mar 2023 – Present

Blue Cross Blue Shield of Michigan (BCBSM) – Epitec Inc

Serving as an Enterprise Solutions Architect driving cloud modernization, mainframe transformation, and data architecture strategy for a major Healthcare payer client across a 3+ years engagement.

- Reviewed business cases and delivered ROM (Rough Order of Magnitude) estimates for 50+ projects valued at over \$20M — directly influencing investment prioritization and technology roadmap decisions at the enterprise level.

- Led the migration of 200K+ Medicare Advantage members from a Part-D plan to a Medicare Advantage-only plan, executing full enrollment transitions without impacting SLAs for ID card issuance or Welcome Kit delivery. Designed and deployed 20+ reconciliation reports ensuring zero member data loss across the transition.
- Built a reusable membership migration roadmap now adopted as the standard framework for all future plan movement initiatives.
- Architected and implemented the CMS-mandated Part-D Manufacturer Discount Program (MDP), developing 15+ mainframe programs to process CMS-sourced files. Modernized 20-year-old legacy CGDP programs to run in parallel with MDP on a unified DB2 backend — delivering \$250K in mainframe storage and CPU cost savings.
- Evaluated and integrated new IT solutions and vendors into the service portfolio, designing high-level architecture and data solutions aligned with enterprise informatics strategy across Web Services, Mainframe, SQL Server, and DataStage.
- Continuously assessed existing architecture to identify performance gaps, proposing and implementing enhancements to maintain competitiveness in the healthcare payer market.

## IT Specialist

Jun 2022 – Mar 2023

### Global Payments - UST

Delivered solutions architecture and cloud modernization for enterprise clients, bridging legacy mainframe environments with modern cloud-native platforms on AWS.

- Reverse-engineered and assessed 75+ mainframe COBOL and Assembler programs, driving successful modernization outcomes within a 9-month engagement — accelerating timelines through deep legacy system expertise.
- 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 to enable seamless legacy-to-cloud transitions.
- Partnered with Development and Testing teams to evaluate and integrate new solutions and vendors into the product and service portfolio, ensuring compatibility with existing infrastructure.
- Continuously monitored post-migration performance, identifying improvement opportunities and delivering actionable enhancement recommendations.

## IT Solutions Architect

Jul 2017 – Jun 2022

### Blue Cross Blue Shield of Michigan (BCBSM) - Contract

Senior Solutions Architect within one of the nation's largest healthcare payers, leading architecture and delivery of complex Medicare platform modernization initiatives across a 5-year engagement.

- Architected and delivered the enterprise-wide MBI (Medicare Beneficiary Identifier) transition — replacing legacy HICN identifiers across 500K+ Medicare Advantage members, spanning all applications, databases, and documentation. Modernized 15+ decades-old IMS online screens, resolving outdated business logic, usability gaps, and accumulated technical debt.
- Designed and implemented Optional Supplemental Benefits (OSB) for select Medicare plans, engineering changes across enrollment, disenrollment, claims processing, ID card generation, and EOB production. Delivered enhancements across 50+ programs — with zero impact to existing non-OSB plans.
- Led implementation of seamless auto-enrollment for members aging into Medicare, introducing new COBOL programs, batch jobs, and scheduling changes to fully automate the aging-in lifecycle — reducing manual intervention and improving member experience at a critical enrollment touchpoint.
- Onboarded a new large-group Medicare client of 150K+ members 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 to deliver tactical and strategic improvement plans.

## Senior Application Developer

Aug 2015 - Jul 2017

Northern Trust - Chicago, IL

Senior developer on enterprise financial applications, delivering new features and platform improvements in an Agile environment.

- Gathered technical requirements and designed/developed application code across multiple delivery cycles using test-driven development (TDD).
- Participated in design and planning for future 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 and reduce defect rates.

## Senior Application Developer

Jul 2009 - Jul 2015

Bank Of America - Los Angeles, CA

Production support and enhancement lead for mission-critical financial applications, coordinating onshore and offshore activities across a 6-year engagement.

- Provided 24/7 production support for mission-critical 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 batch jobs.

## IT Analyst

Mar 2005 - Jul 2009

GE Money - London, United Kingdom

Application development and 24x7 production support for VisionPlus and Cardpac — legacy mainframe card processing platforms serving the UK market.

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

## Education

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Bachelor of Engineering: Electronics & Communication Engineering

Osmania University - Hyderabad, India (2000-2004)

## Certifications

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- AWS Certified AI Practitioner, Cloud Practitioner, Solutions Architect – Associate
- Project Management Professional – PMP certified