**MUTHAMIL SELVAN SINGARAVELU**

**Email:** [**muthamilsingaravelu83@gmail.com**](mailto:muthamilsingaravelu83@gmail.com)

**Contact no.**

Experience Summary

* Passionate, responsible and committed IT professional, with a get-it-done, on-time spirit, with **15 years of experience** in designing, development and support sophisticated loan applications.
* Proficient in Retail business banking products like **Systematics** **Core Banking** applications like **Advance Lending Solutions**, **Intersystem Transfer** and knowledge in **Deposits**. Expertise in **Cobol/Mainframe**, Reports, Batch resolution, **Batch optimization**, **General Ledger**, **Auto debits**.
* Worked on various projects using the technologies TSO/ISPF, COBOL, JCL, VSAM, DB2, UNIX SHELL SCRIPTING, Java
* Demonstrated ability in core banking solutions across different geographical regions.
* Proficient in GAP analysis, Upgrade Assessment, estimation, Implementation and Production Support.
* Proficient in Legacy Modernization, Involved in successful conversion of multiple legacy systems to modern platforms.
* Experience in the design and development of fully automated Continuous Integration, Continuous Delivery, Continuous Deployment pipelines and DevOps processes for **Agile projects** (CI/CD).
* Worked in **Webservices** development for FIS Systematics application using SoapUI
* Working along with Deloitte for Designing, Development and Implementation of **Interbank offered rates** (IBORs) in Legacy System
* Extremely well organized, manages time effectively and possesses exemplary leadership capabilities. Consistently received positive feedback from managers, co-workers and clients.
* Working closely with the project sponsors, business users and acted as a liaison between the business user groups and the functional, Technical, QA and Support teams.
* Assisting the development team in understanding the functional and technical requirements and do the development as per the requirements. Involved in Resource management and Onsite Business Requirement Meetings.
* Working with the QA team to help them understand all the requirements and assisting them in developing QA test cases, hands on experience with JIRA.
* Experience in Leading Small/Big Team’s in both Onshore and Offshore location.
* Experience in developing process enhancements through automation.

Skill set:

* + **Programming Languages:** Java(basics), python(basics), Cobol
  + **Scripting Languages:** JavaScript, Batch Script, Linux Shell Script
  + **Database:** SQL Developer (Oracle), DB2
  + **Cloud:** AWS, Jenkins, Docker Swarm, bitbucket
  + **Mainframe Technical Skills:** IBM Mainframe, TSO/ISPF, Cobol, JCL, CICS, VSAM, SQL Developer, IMS DB, DB2, XPEDITER, Endevor. ChangeMan ZMF, File Aid/Manager, Inter-test, OPC, Control-M , Connect Direct, MQ, JIRA
  + **Soft Skills:** Business Analysis, Client Support, Product Management, Technical Support, Client Relations, Effective Communication, Change Management, Training, Process Optimization, Requirement Analysis, Requirement Gathering, Migration, Conversion
  + **FIS Systematics Functions:** ALS, IT, GN, IM, ST, APA, APB, RPI, PARMS, Data Dictionary, TS BMS, GL, Account Origination, Account Processing, CICS, Batch, Auto Finance, Auto Debits, CAP Upgrade, Migration, ADS.

**Experience**

**IT Contractor, Navy Federal Credit Union, Vienna, va — 2023 – Currently**

Project: Cloud Modernization

Technology Used: Cobol, JCL, DB2, ChangeMan ZMF, TSQ, Oracle SQL Developer, FileAide, CICS JSON.

Key Responsibilities:

* Spearheaded the modernization efforts by leveraging Cobol, JCL, and DB2 to enhance and optimize existing systems for the Cloud environment.
* Utilized ChangeMan ZMF for version control and streamlined the development lifecycle, ensuring seamless integration with the Cloud architecture.
* Implemented TSQ (Temporary Storage Queue) mechanisms to optimize data storage and retrieval, contributing to improved overall system performance.
* Leveraged Oracle SQL Developer for efficient database management, ensuring data integrity and reliability in the Cloud environment.
* Demonstrated expertise in FileAid for data manipulation and management, ensuring compatibility with modern Cloud-based systems.
* Engineered innovative solutions for achieving Near Real-Time (NRT) data processing, enhancing overall system responsiveness.
* Executed design and development tasks for the Application Data Store (ADS) systems, focusing on scalability and adaptability to the Cloud infrastructure.
* Led custom changes and enhancements in the Application Data Store (ADS) and ADSNOW, contributing to increased functionality and user experience.
* Developed and executed comprehensive implementation plans, ensuring the smooth integration of new features and improvements into the Cloud-based systems.
* Proactively addressed and resolved defects in the application, employing troubleshooting skills and in-depth knowledge of Cobol and JCL.
* Conducted a Proof of Concept (POC) on CICS JSON Webservice, leveraging IBM Channels and Containers to explore new avenues for system communication and data exchange.
* Collaborated with cross-functional teams to ensure successful integration of CICS JSON Webservice into the existing infrastructure, fostering interoperability.
* Established and maintained documentation for the Cloud Modernization project, ensuring transparency and knowledge transfer within the team.
* Contributed to performance tuning efforts by optimizing CICS transactions, improving overall system efficiency in the Cloud environment.
* Collaborated with database administrators to fine-tune DB2 queries, enhancing data retrieval speed and overall system responsiveness in the Cloud.
* Design and development of Application Data Store (ADS) systems to improve and achieve NRT(Near Real time).
* Application Data Store (ADS) & ADSNOW Custom changes, Implementation planning, Defect fix.
* POC on CICS JSON Webservice using IBM Channels and Containers

**Software Engineer Specialist, FIS, Chennai — 2020 – 2023**

Project : Production Fix, Upgrade assessment, Estimation, Development [Riyadh Bank]

Technology Used: COBOL, JCL, VSAM, DB2, Endevor, Abend Aid, File Manager, Panvalet, Webservices (SoapUI)

Key Responsibilities:

* Led Business Requirement Meetings with the client, demonstrating effective communication skills to gather and understand project requirements.
* Headed a 7-member offshore team, providing leadership and coordination for successful project execution.
* Utilized COBOL, JCL, VSAM, DB2, Endevor, Abend Aid, File Manager, Panvalet, and Webservices (SoapUI) to address production fixes and upgrades for Riyadh Bank.
* Conducted thorough estimation and requirement gathering, ensuring accurate project timelines and resource allocation.
* Designed and developed Interbank Offered Rate (IBOR) functionality, facilitating daily rate changes in the Lending Application and addressing a critical aspect of the financial services industry's future.
* Managed the upgrade assessment and development process for COBOL v6 and CAP upgrade from 218.181 to 220.202.
* Executed File Fix, Playbook creation, and zero Batch runs, ensuring a smooth transition during upgrades for Loans ALS/GN modules.
* Established and maintained version control libraries, performing code comparisons and impact analyses to ensure code integrity.
* Successfully retrofitted existing code to align with upgraded versions, showcasing adaptability and troubleshooting skills.
* Set up and executed various jobs, including running File Fix, Compare & Apply processes, and providing ongoing support post-upgrade.
* Played a pivotal role in batch support, addressing production defects, and implementing enhancements to improve system performance.
* Actively involved in the development of web services, expanding the system's capabilities to integrate seamlessly with modern technologies.
* Collaborated with cross-functional teams to ensure the smooth functioning of Webservices, enhancing interoperability and data exchange.
* Documented and maintained detailed playbooks, providing valuable resources for future upgrades and production fixes.
* Applied effective troubleshooting skills using tools like Abend Aid and File Manager, contributing to quick issue resolution during the development and production phases.

**Programmer Analyst Senior, FIS, Chennai — 2017 - 2019**

Project : Legacy Modernization, Upgrade assessment, GAP analysis and Estimation [Riyadh Bank]

Technology Used: COBOL, JCL, VSAM, DB2, API, RPI, Webservices

Riyadh Bank is regulated by the Saudi Arabian Monetary Agency. Involved in Modernization and upgrade of Legacy systems as well as digitalization using webservices, API’s and latest banking applications.

Key Responsibilities:

* Played a crucial role in Business Requirement Meetings with the client, ensuring a deep understanding of project objectives and client expectations.
* Collaborated as a key member of a 5-person onshore team, providing valuable insights and technical expertise during Legacy Modernization and Upgrade projects for Riyadh Bank.
* Conducted comprehensive Upgrade assessments from version 991 to 218.181, performing GAP analysis and estimations for Systematics suits, including Intersystem Transfer [IT], Check Inventory [IV], Deposits [IMPACS/ST], and a segment of Lending.
* Authored detailed Functional Design Documents and Technical Design Documents, outlining specifications for Auto debits (Active Fund Monitoring) enhancements/customizations in Intersystem Transfer [IT], Loans [ALS], and GL modules.
* Successfully developed and implemented Active Fund Monitoring, ensuring 24/7 monitoring capabilities for critical financial transactions.
* Led an 11-member implementation team onshore and took charge as the lead for Loans [ALS] Batch and IT application (Intersystem Transfer), overseeing seamless integration and functionality.
* Demonstrated expertise in Production Defect Fix, addressing issues promptly and ensuring the stability of the upgraded systems.
* Executed File Fix operations to maintain data integrity and optimized batch processes for improved system performance.
* Provided hands-on support during the implementation phase, collaborating with cross-functional teams to resolve any issues that arose during the transition.
* Leveraged COBOL, JCL, VSAM, DB2, API, RPI, and Webservices to drive the modernization and digitalization efforts of Legacy systems at Riyadh Bank.
* Implemented batch optimization techniques, contributing to enhanced processing speeds and efficiency in the Loans [ALS] Batch and IT application.
* Contributed to the successful implementation of digitalization initiatives using Webservices and API, aligning Legacy systems with the latest banking applications.
* Collaborated closely with the Quality Assurance team to ensure the thorough testing of upgraded functionalities, guaranteeing a smooth user experience.
* Conducted knowledge transfer sessions within the team, facilitating seamless collaboration and shared understanding of system upgrades.
* Proactively identified opportunities for further system improvements and enhancements, ensuring Riyadh Bank's systems stayed current and competitive in the banking industry.

**Programmer Analyst Senior, FIS, Chennai — 2015 - 2017**

Project: BB-CORP 1 [Barclays, UK]

Technology Used: COBOL, JCL, VSAM, API, RPI, IMS DB

Barclays UK is the Leading Retail bank in UK with millions of active lending customers. Loans [ALS] is the Fidelity product to handle Retail lending. Involved in Migration of Business Accounts from Legacy System into Systematics Loans [ALS], Leverage in creating of New Flexible Business Products in Loans [ALS]. Leading Offshore Migration Team.

Key Responsibilities:

* Led and managed a team of 18 members offshore, serving as the Team Lead and Resource Manager, ensuring optimal team performance and project delivery.
* Spearheaded the migration of Business Accounts from the Legacy System to Systematics Loans [ALS], contributing to the seamless integration of critical banking functionalities.
* Played a key role in the creation of new flexible business products within Loans [ALS], enhancing the portfolio to meet evolving market demands and customer needs.
* Leveraged COBOL, JCL, VSAM, API, RPI, and IMS DB technologies to facilitate the successful migration and development efforts for Barclays UK's Loans [ALS] system.
* Engaged in code development, overseeing the entire lifecycle from coding to testing, and conducted thorough code reviews to ensure adherence to best practices and standards.
* Provided guidance to the team in resolving technical challenges, fostering a collaborative and innovative environment for problem-solving.
* Acted as a liaison between the offshore team and clients, facilitating status updates, discussing project milestones, and addressing any concerns raised by stakeholders.
* Conducted client meetings to gather requirements, understand business needs, and ensure alignment between technical solutions and client expectations.
* Played a pivotal role in the creation of Technical System Design (TSD), outlining the technical specifications and architecture for the migration and development projects.
* Collaborated with onshore teams to streamline communication and coordinate efforts for successful project outcomes.
* Demonstrated proficiency in API and RPI technologies, enabling seamless integration and data exchange between different components of the banking system.
* Utilized IMS DB for efficient database management, ensuring data integrity and reliability in the migration process.
* Successfully resolved technical challenges through effective troubleshooting and innovative problem-solving techniques.
* Implemented and maintained version control practices to track changes and updates in the codebase, ensuring a structured and organized development environment.
* Proactively identified opportunities for process improvement, suggesting and implementing strategies to enhance efficiency and project delivery timelines.

**Programmer Analyst Senior, FIS global, Chennai — 2013 - 2015**

Project: CCA3 Customization and Implementation [Barclays, UK]

Technology Used: COBOL, JCL, VSAM, Excel Macro

For Barclays involved in CCA3 regulatory changes which include development, fixing, Manual-remediation for the Converted Systematic Loan account. Leading Offshore Migration Team and Part of International Product Assessment Team.

Key Responsibilities:

* Served as Team Lead and Senior Programmer Analyst both onsite and offshore, leading a team of 3 members in the successful customization and implementation of CCA3 for Barclays, UK.
* Conducted thorough code reviews, ensuring code quality, adherence to coding standards, and guiding the team in resolving complex technical challenges.
* Engaged in extensive requirement gathering sessions with clients, converting client requirements into comprehensive Business Requirement Documents (BRD) and designing solutions for Systematics Loans [ALS].
* Demonstrated proficiency in COBOL, JCL, VSAM, and Excel Macro to address CCA3 regulatory changes, encompassing development, fixing, and manual remediation for the Converted Systematic Loan account.
* Played a key role in manual remediation development for UK CCA3, contributing to the successful compliance with regulatory changes and ensuring system accuracy.
* Collaborated with the International Product Assessment Team, providing valuable insights and technical expertise to assess and enhance the functionality of the Systematics Loans [ALS] product.
* Led the offshore migration team, overseeing the seamless transition of the CCA3 customization and implementation project.
* Engaged in continuous knowledge transfer sessions within the team, ensuring a shared understanding of project objectives and efficient collaboration.
* Actively participated in client meetings to understand evolving business needs, providing technical expertise, and ensuring alignment between client requirements and technical solutions.
* Utilized Excel Macro for data manipulation and automation, streamlining processes and contributing to overall project efficiency.
* Successfully resolved technical challenges, demonstrating problem-solving skills and contributing to the timely completion of the CCA3 customization and implementation project.
* Implemented best practices in coding and design, promoting a standardized and efficient development environment.
* Collaborated with cross-functional teams to address any system integration challenges, ensuring a smooth interaction between CCA3 and other banking systems.
* Documented and maintained comprehensive design documents, providing a valuable resource for future enhancements and system maintenance.
* Actively participated in the assessment and implementation of international product enhancements, contributing to the overall improvement of Systematics Loans [ALS].

**System Analyst, Hexaware Technologies, Chennai — 2012 - 2013**

Project: Auto Bank, Behavior Scoring [Targo, Germany]

Targo Bank, Germany formally known as Citibank has chosen to outsource support, maintain and enhance their business applications towards car-financing business including consumer loans (sales finance).

The objective of the Behavior scoring is to verify the Customers’ transactions with TARGO Bank and other banks through internal and external resources to find out the credibility of the customer.

Key Responsibilities:

* Spearheaded product creation and development for the Auto Bank project, contributing to the enhancement of business applications related to car financing and consumer loans for Targo Bank, Germany.
* Took charge of Behavior Scoring enhancements, ensuring the accurate verification of customer transactions with TARGO Bank and other financial institutions, thereby assessing customer credibility.
* Conducted estimation and created comprehensive Unit Test plans, ensuring the thorough testing of developed functionalities for reliability and accuracy.
* Applied coding expertise in COBOL, JCL, and other relevant technologies, playing a pivotal role in the development and maintenance of the Behavior Scoring system.
* Addressed production fixes promptly, demonstrating a proactive approach to maintaining the stability and functionality of the Behavior Scoring system.
* Conducted code reviews to ensure adherence to coding standards, identified areas for improvement, and guided the team in resolving technical challenges.
* Played a key role in the creation and modification of statements, ensuring accurate and timely communication of financial information to customers and stakeholders.
* Developed and maintained reports, providing valuable insights into customer transactions and behaviors to aid in decision-making processes.
* Actively participated in client meetings, facilitating communication between the development team and clients to understand requirements and provide project updates.
* Engaged in peer reviews, promoting knowledge sharing and ensuring the quality of deliverables through collaborative feedback.
* Demonstrated effective team management skills, ensuring optimal performance, collaboration, and motivation within the project team.
* Collaborated with cross-functional teams to address any system integration challenges, fostering a smooth interaction between the Auto Bank project and other banking systems.
* Played a proactive role in identifying and resolving technical challenges, contributing to the successful implementation and maintenance of the Behavior Scoring system.
* Collaborated with stakeholders to gather requirements for new features and enhancements, ensuring alignment with business objectives.
* Documented and maintained technical documentation, providing a valuable resource for future enhancements, troubleshooting, and system maintenance.

**Application Consultant, Optimum Solutions, Singapore — 2010 - 2012**

Project: Advance Lending Solutions [Citi, Singapore]

Citibank is one of largest financial banking companies and ranked 10th in size by composite index, ranked in the FORTUNE 100 list.

* Functioned as a Senior Developer onsite, collaborating with various Citibank clients globally, contributing to the success of the Advance Lending Solutions project.
* Led design and development efforts, ensuring the seamless integration of features and enhancements for Citibank's global lending solutions.
* Conducted module testing to validate the functionality of specific components, ensuring they met the specified requirements and quality standards.
* Played a key role in end-to-end testing, verifying the overall system integrity and performance across various modules of the Advance Lending Solutions project.
* Assumed the primary responsibility for Level 3 (L3) support, providing expert assistance to resolve complex issues and ensuring the continuous availability of the Loans [ALS] Batch system.
* Implemented batch fixes for Rainbow Countries, addressing specific issues and ensuring consistent and reliable batch processing for Citibank's global lending operations.
* Collaborated closely with stakeholders to gather requirements for new features and enhancements, aligning technical solutions with business objectives.
* Demonstrated proficiency in COBOL, JCL, and other relevant technologies, applying them to design and develop robust lending solutions for Citibank.
* Provided ongoing support for Loans [ALS] Batch processes, ensuring the stability and reliability of critical financial operations.
* Engaged in proactive troubleshooting and issue resolution, contributing to the efficient functioning of the Advance Lending Solutions project.
* Participated in knowledge transfer sessions to ensure a shared understanding of the project among team members, both onsite and offshore.
* Conducted regular status updates and progress reporting, ensuring transparent communication with clients and project stakeholders.
* Collaborated with cross-functional teams to address system integration challenges, fostering a seamless interaction between Advance Lending Solutions and other banking systems.
* Played an instrumental role in the continuous improvement of the Loans [ALS] Batch system, suggesting and implementing enhancements to optimize performance.
* Documented and maintained technical documentation, providing a valuable resource for future troubleshooting, system maintenance, and knowledge transfer.

**Software Engineer, Troy Software India Pvt Ltd, Coimbatore — 2005 - 2010**

Project: Migration

Technology Used: COBOL, JCL, IMS DB, Perl, K-Shell, UNIX

This is a development project to one of the leading bank in USA, for automation of end to end loan application processing from credit initiation, loan application approval, funding and amortization of loan amount. My key responsibility involves automation of loan application workflow and development of many MIS reports. LAP involves lot of online and batch modules to run the application which are all developed from the scratch. LAP uses DB2 to store the data at the back end. Maintenance is done online, real-time. This application works on various plans and products in the banking industry which are also specific products of the bank.

Involved in project to migrate the file system from VSAM to DB2

* Played a key role in a development project for one of the leading banks in the USA, focusing on the automation of end-to-end loan application processing using technologies like COBOL, JCL, IMS DB, Perl, K-Shell, and UNIX.
* Automated the loan application workflow, from credit initiation to loan application approval, funding, and amortization of loan amounts, contributing to increased efficiency and reduced processing times.
* Developed numerous Management Information System (MIS) reports, providing valuable insights into the loan application processing and enhancing decision-making processes for the bank.
* Led the development of both online and batch modules from scratch for Loan Application Processing (LAP), covering various plans and products specific to the banking industry.
* Utilized DB2 as the backend database for LAP, ensuring efficient storage and retrieval of data for real-time maintenance and online processing.
* Participated in a project to migrate the file system from VSAM to DB2, optimizing data management and improving the overall performance of the loan application system.
* Prepared unit test cases and result documents, identifying and fixing bugs by conducting root cause analysis, ensuring the reliability and accuracy of the developed modules.
* Actively engaged in coding and unit testing of assigned modules, adhering to coding standards and best practices.
* Collaborated with cross-functional teams to ensure seamless integration of various plans and products within the banking industry, fostering interoperability.
* Applied Perl and K-Shell scripting for automation and process optimization, contributing to the overall efficiency of the loan application processing.
* Conducted comprehensive unit testing, ensuring that modules functioned as intended and met the specified requirements.
* Documented and maintained unit test cases, providing a valuable resource for future testing and troubleshooting efforts.
* Collaborated with stakeholders to gather requirements for new features and enhancements, aligning technical solutions with business objectives.
* Participated in knowledge transfer sessions, ensuring a shared understanding of the LAP project among team members.
* Demonstrated expertise in IMS DB, contributing to the effective management and retrieval of data for various modules within the loan application system.

**Education**

PSG College of Technology – Master of Technology, VLSI Design 2005-2007