



MATHIVANAN LOGANATHAN

<https://www.linkedin.com/in/mathivanan-l-41793a97>

#SOLUTION DESIGNER

#MAINFRAME MODERNIZATION SPECIALIST

#TECHNOLOGY CONSULTANT

CONTACT

+353 872 46 40 43

L.Mathivanan@gmail.com

Dublin, Ireland

SKILLS

Technical Skills:

Mainframe Modernization,
APIfication, Microservices, UX
Design, Data Migration,
Solution Design/Application
Development (Mainframe and
IBM BPM), Testing Automation,
Reverse Engineering

Languages:

Java, Svelte, Python, PHP, PL/I,
JCL, REXX, COBOL

Database:

Postgres, DB2, SQL Server,
MongoDB, IMS DB, VSAM

Enterprise Software:

Azure Devops, Microfocus,
Control-M, IBM BPM, HP UFT, HP
ALM, JIRA, Confluence

Tools/Framework:

Docker, Spring Boot, Svelte,
Gradle, Maven, NodeJS

EDUCATION

*Bachelor of Engineering in
Computer Science*

Anna University, 2002-2006

ABOUT ME

Dynamic, astute and solution-driven professional with over 18 years of experience managing, designing and building comprehensive technical solutions to improve business processes and operations

Sharp analytical mindset, strong leadership and a passion for driving diverse modernization and development projects to successful outcomes

"Self-motivated – hard working – innovative – a leader – a team player"

EXPERIENCE

Technology Consultant | 2022 – Till Date

Hewlett Packard Enterprise

- Working with Mainframe Alternative (MFA) CoE
- Developed parsers and transformers for an inbuilt tool called Flyway
- Execute flyway to transform and migrate legacy source code like COBOL/JCL/CICS to modern platforms like Microfocus, etc.

Modernization Consultant | 2017 – 2022

Capgemini

- Worked with the Legacy Modernization CoE.
- Migrated and tested core business applications in Mainframes to Windows based platforms, using a risk-based approach
- Designed a fully automated process to migrate, convert and validate the files in Mainframes as EBCDIC to ASCII in Windows

Additional roles performed in Capgemini:

Data Migration | Mainframe MIPS Optimization | Pre-sales Support

Solution Designer | 2007– 2017

Tata Consultancy Services

- Worked with multiple development teams for various clients based in Banking, Insurance, Retail and Telecom.
- Design and development in software delivery model – Managed various responsibilities such as Delivery management, Requirements Management, Resource management, Quality management, Contract management and Risk Management while managing a team of over 10 development and testing professionals

Additional roles performed in Tata Consultancy Services:

BPM Developer | Technical Lead | Test Automation | Mainframe Design and Development

ACHIEVEMENTS

– Received 6 'On the Spot Awards' for various significant contributions in delivery and team development

– Received 3 'Best Team Award', leading a team of developers and designers, for delivering multiple parallel projects, on time, on budget and utmost quality

– Received 1500+ Star Points as a recognition for multiple deliveries and initiatives in HPE.

– Certified Six Sigma Green Belt – For reducing deployment activities effort from 80 hours to 4 hours by designing and developing a comprehensive tool using DMADV approach

PROFESSIONAL SUMMARY

- ♦ Currently working as a **Technology Consultant** for **HPE's MFA Center of Excellence**
- ♦ Worked as Digital Transformation Lead for 4 Years in Capgemini technology solutions for various Re-hosting and Re-platforming projects
- ♦ Overall 18+ years of experience in IT industry spread across modernizing, developing, maintaining **Mainframe** applications, IT Strategy Consulting and Project management
- ♦ Build features and maintain the MFA backbone tool - Flyway - for use in all mainframe to microfocus migration projects
 - » **Parser** – Built and modified parsers for Flyway to process/pre-process legacy source codes such as COBOL/JCL/CICS/etc
 - » **Transformers** – Built and modified transformers to convert legacy source codes to be executable in modern platforms such as Microfocus
 - » **APIfication** – Modernized and APIified the monolithic JAVA application (Flyway) such that the various features (including reports) are available as microservices for the customer/developers and third party tools
 - » **UI** – Created a frontend for the customer to consume reports and provide feedbacks interactively for the legacy source code and data to be processed and transformed in Flyway
 - » **Modernized Build** – Migrated the ant based legacy build process of the flyway transformer to Gradle, to ensure, standardized, centralized, simplified and efficient build process that is ready for CI/CD toolchain and automation
- ♦ Received unit level recognition and star points for innovation and commitment in HPE for modernizing Flyway
- ♦ Won **Customer Delight** and **Innovation** awards in Capgemini for the year 2019 & 2020 for the Mainframe to Micro focus replatforming project and product development
- ♦ Developed 5 major products (CAP360 Analyzer, DCC, CapCover, BREAD and DAMM) for Capgemini and 1 product for TCS. All the products are developed inhouse and customized/reused in various customer shops
 - » **CAP360 Analyzer** – Source code analyser to perform static and dynamic source code analysis of the application. Provides various recommendations on technical debt and areas of improvement. It also provides roadmap for digital transformation of the application. Implemented for various customers, analysing closed to 200+ Million Lines of code. It has the power to handle billion LOC as the backend database is written in MongoDB
 - » **DCC** – Data Convert and Comparison is one of the most powerful tools for data handling, migration and validation process. Handles all type on database in legacy such as IMS-DB, DB2, VSAM, Tape file & Flat files with target database as SQL, Mongo-DB
 - » **BREAD** – Business Rules Extractor Aggregator and Documenter. This is one of the revolutionary ways to handle all the business rules in the system and helps in tagging the application in the unique way. Documentation of the application plays the key role in modernization and BREAD helps in improving the productivity with pattern matching algorithm in the system

- » **DAMM** – One of the 5 finalist of DevOps Industry award. It provides various views on the applications and process to monitor the progress of implementation of DevOps. It provides the view on where the spending is more and can be reduced as well
 - » **CAPCover:** Code coverage is one of the key tools, which helps in uplifting the customer confidence by ensuring the coverage of the test case in big size rehosting projects. CapCover tool intelligently identifies the code and logs the references whenever the test data flows through the code. The report is implemented and added to DAMM reporting to ensure transparency across the system
 - » **Automated Deployment File Creation:** Customized tool to create all types of files required in the mainframe environment post deployment, based on the new requirements and solutions being deployed. This tool was created using Six Sigma DMADV approach to overcome the frequent application failures during and after every deployment
- ♦ Developed various personal projects to subdue my hunger for learning after the office hours.
 - » **VOTFOR:** A Realtime talent generation portal, which provides open platform for next generation candidates to showcase their talents and get rewarded through crowd sourcing
 - » **Auto HFT:** A high frequency trading platform to perform automated and real time trades in cryptocurrency or any tradeable entities based on custom strategies defined
- ♦ Worked as part of **flying squad** to address any issues and problems in delivery for any legacy customer across the organization
 - ♦ Conducted multiple PoCs to validate technical capabilities and relevance for the to be architecture technology stack
 - ♦ Support all the digital transformation RFP's and proposals and support **legacy optimization, impoverishment** and **modernization** opportunities and provide key solutions, recommendations and estimates.
 - ♦ Handled up to 25+ member team for the various LRCOE projects and delivered within short span of time using next gen talents
 - ♦ Highly proficient in **Mainframe & Microfocus** Applications Design, Development and Transformation projects
 - ♦ Experience in **Microfocus testing** for one of the highly complex European insurance project with 40+ member team
 - ♦ Highly proficient in doing component analysis and preparing a BRE document out of the legacy applications
 - ♦ Trusted by the UK client to transition from mainframe development to a mission-critical BPM project using IBM Business Process Manager, contributing for 2 years
 - ♦ Interviewed 50+ profiles as part of the college partner connect and mainframe practice recruitment drives for lateral talent across the industry
 - ♦ In addition to the technical skills, been directly responsible for various projects ranging from managing development/test efforts to formulating plans, estimates and strategies for Legacy modernization projects

PROFESSIONAL EXPERIENCE

(Project) Mainframe Re-platforming

(Duration) Jun 2024 – Till Date

(Role) Tools Specialist/ Full Stack Developer/ UI/UX Designer

(Client) HPE MFA CoE/TELEFONICA

As Mainframe Migration Specialist, modernizing the Flyway tool to expose the services, features and reports based on the legacy code that is being migrated.

- Exposed the features and reports from Flyway as APIs using Springboot.
- Created a frontend, using Svelte, to enable the customer to consume the findings from Flyway with a dashboard of the legacy inventory artefacts at granular level.
- The customer can directly consume the reports from Flyway, to review and provide feedback interactively
- Modernized the build process from Ant to Gradle, thus providing a centralized and simplified build process ready for future developments

Environment: Spring Boot, Svelte, Maven, Javascript, Typescript, Python, Gradle

(Project) Mainframe Re-platforming

(Duration) Jun 2022 – Till Date

(Role) Mainframe Migration Specialist

(Client) Telefonica

As Mainframe Migration Specialist, developing and customizing the Flyway tool which is in turn used to convert the mainframe code adaptable for Microfocus. Mainframe Re-platforming is an initiative from Telefonica to remove Mainframe footprint and execute the same code base and business logic from a Windows platform.

- The migration process is fully automated which includes conversion of COBOL, JCL, CICS and DB2 components

Environment: Microfocus, Mainframes, DB2, Flyway

(Project) Mainframe Re-platforming/Testing

(Duration) Apr 2019 – Jun 2022

(Role) Data Migration Analyst/Modernization Consultant

(Client) AG Insurance

As Modernization Consultant, developing a risk-based approach to test the batch part of the core insurance applications on Mainframes to Windows based platform. Designed a cost effective and automated process to migrate data from Mainframes to Microfocus and test the complete batch processes within mainframe applications.

- Devised a new strategy to test the huge and complex batch applications for AG Insurance
- Designed a fully automated process to migrate, convert and validate the files in Mainframes as EBCDIC to ASCII in Windows.
- The process is designed in such a way, that each batch will be automatically triggered in both mainframes and windows and results validated seamlessly
- The batch validation process is also fully automated which includes data being migrated and converted from mainframe (EBCDIC) to windows (ASCII)

Environment: Microfocus, Mainframes, Control-M, IMS, DB2, DCC, CAP360

(Project) Mainframe Optimization Analysis

(Duration) Nov 2018 – Mar 2019

(Role) Technical Architect

(Client) The Hartford Insurance

As a Senior Technical Architect, I analyzed and identified multiple opportunities to improve the performance of the core personal insurance applications in The Hartford mainframe environment. Mainframe optimization analysis is an initiative from The Hartford to improve peak time CPU consumption and improve MIPS utilization, thus reducing the cost for Mainframe.

- Identified 40+ opportunities to effectively use the CPU and reduce the overall cost
- Lead a team of 10 members in analyzing the Mainframes, performing tests and finalizing the inferences

Environment: Mainframes, IMS, DB2, Assembler, CAP360

(Project) Mainframe Re-platforming

(Duration) May 2018 – Oct 2018

(Role) Data Migration Analyst/Modernization Consultant

(Client) AEGON

As Senior Functional Analyst, designed a cost effective and automated process to migrate data from Mainframes to Microfocus. Mainframe Re-platforming is an initiative from Aegon to remove Mainframe footprint and execute the same code base and business logic from LUW. Files in Mainframes need to be converted from EBCDIC to ASCII for LUW systems to process.

- Devised a new data migration strategy for Aegon's aging yet growing mainframes
- The process is designed in such a way that each file can be migrated independently and between any regions
- The JCLs delivered in development region for migration can be reused in all regions like, Test, Pre-Prod and Prod
- Lead a team of 14 members in refining the process, driving the automation and engineering quality delivery

Environment: Microfocus, Mainframes, Control-M, DCC

(Project) Dealer Management System Modernization

(Duration) Oct 2017 – May 2018

(Role) Modernization Consultant/Integration Architect

(Client) DealerTrack

As Modernization Consultant, drove the modernization initiative and created a roadmap for the transformation into a microservices based loosely coupled enterprise wide application. The project was aimed to extract critical business rules and key integration points and to be incorporated into Cox Auto's dealer management and vehicle management application.

- Defined the scope of modernization and created a roadmap at a component level
- Componentized the entire application and created boundaries of application to be the potential microservices
- Created various automation processes for identifying technical debts, job cards and feature reports
- Created technical documentation and business documentation template

Environment: AS400, AWS, CAP360

(Project) Triumph**(Duration) Mar 2017 – Sep 2017****(Role) Modernization Consultant****(Client) Barclays**

As Modernization Consultant, drove the modernization initiative and componentized the core cards application to reduce mainframe footprint and modernization scope assessment. The mainframe application Triumph serves as the central system for the cards platform in Barclays.

- Identified 40% of the components to be technical debt
- Componentized the entire application based on business functions
- Created various automation processes for identifying technical debts, field level CRUD, file impact report, etc.
- Implemented a governance process to componentize Triumph and identify technical debts automatically

Environment: Mainframes, AWS, CAP360

(Project) Lending Application**Aug 2015 – Feb 2017****(Role) IBM BPM Developer/Integration Architect****(Client) Royal Bank of Scotland**

Developed from scratch to assist users in handling all the lending requests throughout the lifecycle of the customer. Both business and commercial customers requests are managed under the bank's various banking brands.

(Project) Wiring Information and Release System**Jun 2014 – Jul 2015****(Role) Technical Lead/Project Manager/Automation Consultant****(Client) Boeing**

The sole authority of information for electrical wiring on vendor's commercial airplane models. Handles configuration management of wiring information throughout the life cycle of the airplane.

(Project) Telephone Information System**Aug 2008 – Jun 2014****(Role) Mainframe Developer/Technical Lead/Project Manager****(Client) Eircom**

The main billing system used for switched service billing of customer's Retail and Wholesale customers, services ranging from Ordering through Payments in the Billing and Customer care. TIS issues bills to the value of Euro 1.25 billion/annum to its 1.5 million residential and business customers.

(Project) Media Research (NMR)**Feb 2010 – Jan 2011****(Role) Mainframe Developer/Technical Lead/Project Manager****(Client) Nielsen**

NMR provides ratings for TV shows; a comprehensive television audience measurement at national and local levels, in the U.S. and in 30 countries around the world.