

MURUGAN K

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PROFESSIONAL SUMMARY

- 14+ years of experience in IT industry which includes System design and architect, development and Implementation, Project Management, Vendor Management and Project Delivery
- Proficient in translating business requirements and needs to technical solutions, design, and development of technology solutions, leading and managing project team.
- Proficient in implementing Modern applications using **Microservices architecture, Containers and Serverless technologies.**
- Experience in designing cloud solutions using IaaS and PaaS services.
- Strong designing and coding experience in **.NET Core, MVC, C#, WebAPI**, ASP.NET, WCF, **ReactJS, Angular**, jQuery, JavaScript, CSS, HTML5, Webservice, ADO.NET, Entity Framework Core, Redis, SQL, CosmosDB, SSIS, SSRS and MySQL.
- Sound knowledge in **Agile methodology** end to end Sprint process.
- Experience in cloud services **AZURE (Azure Function, Azure Storage, App services, APIM, Service Bus, Event Grid, Azure SQL Server, Key Vault, and Cosmos DB, AWS (EC2, Lambda, S3, RDS, Code Commit)**
- Knowledge in developing Web-based and Client/Server applications such as **both front and back-end technologies.**
- Creating the **Azure DevOps CI/CD** process for DevOps Pipeline and Release with App Service and Microservice docker.
- Develop and integrate the Testing Framework **xUnit** and **MSTest** in CI/CD Pipeline
- Creating and updating technical specifications/documentation as needed, optimizing existing code & develop from non-technical design specifications.
- Hands on experience with various third-party software's like **RabbitMQ, Apache Kafka**, Dynamic365, ADP Payroll, PGP Encryption, SAML 2.0
- Proven experience in managing development teams in various IT service domains like **Finance, Banking**, Health Care, HRMS, Omni Channel, IAM and handled multiple **Singapore Government Agency** projects.

SKILLS

Cloud Computing	: Azure, AWS, Azure Functions, App Services, Service Bus, Virtual Machine, Azure DevOps, Storage Account, Docker, CosmosDB, S3, Lambda, EC2
Technical Architecture:	MVC Architecture, N-tier Architecture, Event-Driven Architecture, Microservice Architecture
Languages	: .Net Core, C#, MVC, ASP.Net, LINQ, Entity Framework, ReactJS, Angular, Java Script, TypeScript, jQuery, HTML, XML, Ajax
Services	: Web API, WCF, Web Services, Windows Services, Workflow
DBMS	: SQL Server, Cosmos DB, Azure SQL, MySQL, MongoDB, PostgreSQL
CI/CD Tools	: Azure DevOps , Docker , Git, TFS , Team City
Third Party Tools	: SAML 2.0, Telerik, AD, Swagger UI, Postman, Redis, Grafana, Prometheus

ETL Tools : SSIS, SSRS

Design Pattern : Abstract Factory, Strategy Pattern, Saga Pattern, Singleton, UnitOfWork, Solid Principle, Dependency Injection

CERTIFICATIONS

Azure Developer Associate (AZ-204)	Sep 2023 – Sep 2024
Nintex Certified Practitioner	Sep 2023 – Sep 2024
NUS - ICT Assessment Certified Software Developer	Jan 2024 – Jan 2027

EMPLOYMENT HISTORY

Technical Lead	Aug 2024 – Till Date
Ubique Systems	India

Client: Maersk - Amazon

Technologies: .Net Core 8, ReactJS, C#, WebAPI, Azure, Entity FrameworkCore, PostgreSQL, Azure DevOps, Azure Storage, Azure Function, Git, xUnit, Grafana, Prometheus, Kafka

Project Description:

PMS application is an **E-commerce intermediate service**. Maersk is a range of integrated supply chain and logistics company. PMS connected with Amazon and pull all the parcel items as file for every product deployed in Amazon for Maersk. This system validates the parcel details as per Maersk standards and sends these details to another system Label Domain for generate the product label details. Maersk's customers can enter this system and view all parcel details up to the label generated and deliver to the address.

Responsibilities:

- Design and develop the API to access outside network by other systems.
- Design the ReactJS UI components and dependencies
- Integrate the serverless components to process the **Amazon** parcel data.
- Support the existing application incidents with help of ServiceNow tool.
- Implement the new customers functionalities

Technical Lead	Mar 2022 – Apr 2024
Combuilder Pte. Ltd	Singapore

Client: Singapore Food Agency (SFA)

Technologies: .Net Core 8, CQRS, C#, WebAPI, ReactJS, Azure, Entity FrameworkCore, SQL Server, Azure DevOps, Azure Storage, Docker, TensorFlow, Git, xUnit, Redis, **Microservices**

Project Description:

SFA is a **Singapore Government Agency**. The Singapore Food Agency (SFA) web application help to inspect the certified food handler in food court and other places. Food handlers can login via Singpass and verify their own profiles and photo data and can be able to update the minimal data. Also, the training provider and business owner can be able to verify the food handler details. This system integrated with another system EDL to pull the food handler certificates.

Responsibilities:

- Working as a Full stack developer to develop the front-end components for Search Handler, Action Status Handler, Report Management, Handler Upload and User Admin modules using React.js.
- Designed and developed Microservices for Food Handler platforms to connect external systems like EDL and other internal systems for Food Handler Management.
- Provide support in investigating root causes of production defects and fix them within agreed SLA.
- Ownership for Development and Deliver the product task in the Agile Sprint

Client: National Library Board (NLB)

Technologies: .Net Core 6, MVC Razor, CQRS, C#, Angular, AWS,S3,Lamda,EC2, WebAPI, Entity FrameworkCore, SQL Server, Git, xUnit, RabbitMQ, **Event-Driven Microservices**

Project Description:

NLB is a **Singapore Government Agency**. The National Library Board (NLB) is a statutory board under the purview of the Ministry of Communications and Information of the government of Singapore. MTMS system handling all books inventory, Processing, Repair, Warehouse, and storage in all branches. The users can be able to see all stages of workflow for each book up to current stage and, they can download all kind of reports. Usually, books details received from other systems such as ESA, Rare and Ephemera through the serverless messaging.

Responsibilities:

- Worked as a Front-end developer to develop pages and components for Corporate Banking Application using MVC Razor
- Involved to API development based on Clear Architecture with decoupled system components.
- Deployed frontend and backend applications into AWS S3 and EC2 Instances.
- Work with users for UAT Testing and fix the issues.

Senior Software Engineer
Strategic Industry Solutions (SIS)

Jan 2021 – Mar 2022
India

Client: Hermanson

Technologies: .Net Core 3.0, WebAPI, Angular, Entity FrameworkCore, Azure SQL Server, Azure DevOps, Azure Storage, Docker, Git, xUnit

Project Description:

Advanced Labor is a payroll product system designed to manage and calculate Union Payroll information. The Advanced Labor solution also handles prevailing wage jobs while efficiently delivering Certified Payroll reporting. This solution is integrated with Dynamics 365 Payroll, General Ledger, Accounts Payable, Project Management, and Project Accounting. This centralized system streamlines the Union Payroll data storage, processing, and reporting capabilities. The Advanced Labor solution is independent of Dynamics 365 Payroll and can feed Dynamics 365 Payroll or third-party payroll service providers.

Responsibilities:

- Architect and Development with all phases with latest technologies with .Net Core, Azure and Angular
- Strong knowledge in Azure cloud computing services like **Virtual Machine, Azure Function, Blob Storage, App services** and **Services Bus**.
- Handling and configure the DevOps Pipeline, Artifact and Release
- Integrating the distributed systems are **ADP and Dynamic 365**

Senior Software Engineer

Jan 2019 – Jan 2021

Resulticks

India

Client: HDFC Bank, TATA Digital

Technologies: NetCore, MVC, C#, EF, Kafka, Angular 8, DevOps, WebApi, SQL Server, Azure Function, MSTest

Project Description:

Resulticks is an **Omni Channel** marketing software product. Resulticks—the world’s only marketing automation platform built from the ground up—delivers top-line growth by enabling you to engage every prospect, lead, or customer in highly personalized, real-time experiences from the first click to conversion. Here we have three major modules like Account Setup, Audience, Campaign and Analytics. Clients can be able to set up campaigns and get responses like Open, Engagement and Conversion for the channels Email, SMS, QR, Web and Mobile Notifications.

Responsibilities:

- Architect and Development with all phases with latest technologies with Angular and .Net
- Strong knowledge in Azure cloud computing services like **Virtual Machine, Azure Function, Blob Storage, App services** and **Services Bus**.
- Involved in Designing, Coding, Unit Testing and Deployment
- Individual contribution for all development activities
- Attend the Scrum meeting calls.

Senior Software Engineer
Softcrylic Technology Solutions

Aug 2018 – Jan 2019
India

Client: United States Schools (**Education**)

Technologies: ASP.NET Core, MVC, C#, WebAPI 2.0, Angular 6, MySQL, Azure

Project Description:

Waggle is a school student's training tool and its helps to grow the student's knowledge. School admin can manage the students, teachers, and classes. The teachers can be able to set the questions for all the knowledge categories. They will create a grade list based on student answers points. Students will start the pending knowledge test and they can finish, pause, and stop the test process. If the student answered perfectly, then will it rewards point. The student performance report will be generated on a weekly and monthly basis. Based on the performance report, teachers assign the knowledge test and improve the students' capabilities. Here the main business roles are Teacher, Student, School Admin and Parents.

Responsibilities:

- Direct client and manager interactions for the requirements
- Involved in Designing, Coding and Unit Testing
- Attend the Scrum meeting calls.
- Research and development for upcoming technologies.

Senior Software Engineer
Deep Identity Pte Ltd

Aug 2015 – July 2018
India, Singapore

Client: Singapore Central Provident Fund Board (CPF), Inland Revenue Authority of Singapore (IRAS)

Technologies: Net 4.5, ASP.NET MVC, C#, Telerik, WebAPI, Entity Framework 6.1, SQL Server 2012, Active Directory, SAP, ACF2

Project Description:

CPF and IRAS is the **Singapore Government Agency**. IGA is the Account and Role audit management system for all CPF endpoint systems. Password management system handles the login user password reset, account enable and account lock for the requested endpoint systems. IGA Connector connects to various applications and systems to automate account creations, modifications, and deletions. This lifecycle management tool manages user accounts, password, roles, groups, and profiles all the way down to entitlements/permissions. IGA centralized access request modules support shopping cart-based access request. With shopping cart style of access request, users can submit multiple requests in single checkout facility. Followed sprint methodology.

Responsibilities:

- Direct client interactions for the requirements
- Involved in Coding and Designing
- Attending the client meetings.
- Design and develop the new screen based on customer requirements.
- Works at onsite and Team Handling

Senior Software Engineer
HCL Technologies

Apr 2014 – Jun 2015
India

Client: Merck, USA

Technologies: .Net 4.0, ASP.NET MVC4, C#, jQuery, JSON, AJAX, Entity Framework, SQL Server 2008 R2, SSIS, SSRS

Project Description:

The Grants Management System (GMS) is a web-based application that manages all **MRL** grant information, including grants, their related supplements and amendments, payment schedules, payees, and payment activity. GMS imports these new clinical trial grant data from **SPECTRUM**. GMS provides the interface and workflow to handle the review process for clinical grants/site budgets and payment requests coming via SPECTRUM. All non-clinical grants are entered directly into GMS. An approved payments/Grants advice generates a memo which is then automatically e-mailed to the subsidiary. Followed agile methodology.

Responsibilities:

- Involved in Coding and Clear the user requirements.
- Create/Update the design specification document.
- Develop new functionality based on requirements specifications.
- Support the user queries via email or meeting, also involved in unit testing.

Software Engineer
FireStream Worldwide Inc.,

Feb 2013 – Mar 2014
India

Client: JBC, USA

Technologies: .Net 4.0, ASP.Net, C#, WCF, JSON, jQuery, Entity Framework, SQL Server 2008, SSRS

Project Description:

Fleet Management application is mainly used for showing Reports based on user levels. This application was developed for US Fuel corporations and every corporation contains many customers. The Customer tracks the Drivers in live moving using Google map and we can get

Customer related all reports. In User Setting module used for creating the Customer, User and Roles.

Responsibilities:

- Involved in Coding
- Build the application with .NET /Entity Framework / SQL Server 2008 R2
- Develop new functionality based on requirements specifications.

Software Engineer

Sunsmart Technologies Pvt Ltd

Sep 2010 – Dec 2012

India

Client: Axis Bank

Technologies: .Net 4.0, ASP.Net, C#, WCF, JSON, jQuery, Entity Framework, SQL Server 2008, SSRS

Project Description:

Axis Check is a web-based application and processes the bank check everyday night with prerequisites validations. Admin will enter and check all check leaf status based on the given date. This check clearance is executed based on the upload check book excel sheet. This excel has customer and account basic details, will connect with RBI IFSC code portal and verify the input details. The Background job handles all the check leaf status, validation message, customer invalid message to identify the problems. So, the next day admin go and check those check leaf which is not proceed and send those detail to revalidate proper data to proceed further.

Responsibilities:

- Analysis the specifications, Designing and developing the screens.
- Build the application with .NET / ASP.NET / SQL Server
- Develop new functionality based on requirements specifications.
- Identify and resolve post deployment changes and issues reported by customers.

EDUCATION

Master of Computer Applications

St. Michael College of Engg & Technology, Anna University – KalayarKoil, INDIA

2007 - 2010

Bachelor of Science, Mathematics

Raja Doraisingam Govt Arts College, Alagappa University – Sivagangai, INDIA

2003 - 2006