 **Vijay Kumar L** 

**Ph : 9734465418| Rajesh@swanktek.com| Dynamics365 F&O Techno Functional Architect**

### SUMMARY OF PROFESSIONAL EXPERIENCE

A certified Microsoft Dynamics AX/D365 ERP Lead/Architect with specialized expertise in the design, development, implementation, and support of Dynamics 365 for Finance & Operations.

* **17+ years of experience** in Microsoft Dynamics AX ERP, specializing in **Dynamics 365 for Finance & Operations**, AX 2012 RTM, R2/R3, AX2009, and Management Reporter 2012.
* Expertise in X++ and C# coding, enterprise portal development and workflow development.
* Proficient in **X++** Programming, **Morph X, DIXF**, C# and Axapta Development Tools, Visual studio, Morph X IDE, COM and .net components
* working with Entities OData feature and code and data upgrades across AX versions (AX2012 to AX CU1, AX 6.0 to AX(R2) CU7, AX 2012 to R3 and AX 2012 R2 to D365 FO and D365 Platform, Service and quality updates).
* Skilled in **Requirement analysis, Fit-Gap Analysis, Product design, Technical specifications (TDD** with a performance oriented normalized database design approach)**, development, team coordination, upgrades, and integration**.
* Experience in Customizing, Designing, and Developing and **Debugging** **X++** code.
* Proficient in performance tuning using AX and SQL tools such as **trace parser, profiler, database tuning advisor, coding best practices and others**.
* Expertise in designing and developing cloud solutions based on Microsoft Power platform using **Power Apps (Canvas and Model driven), Power Automate, Power BI, Power Apps portals, and Common Data Services. (CDS)**.
* Extensive experience of customizing the AX modules **– AP, AR, GL**, Sales and Marketing, HR, Procurement and Sourcing, Inventory Management and SCM and Project management and accounting, Timesheets, Retail, Travel & Expenses, Production, Human Resources, Home and System Administration.
* Perform production deployments monthly cadence, including standard Microsoft D365 upgrades
* Experience working with **D365 F&O** on premise platform in Development, testing, and Production.
* Experienced in **production deployments, lifecycle management, environment maintenance, backup/restore/refresh** of Dynamics 365 Finance and Operation environments.
* Knowledge on Azure data factory (ADF), Dataverse and Data Lake and Azure storage folder to import invoices and receipts from D365FO.
* **Dynamics 365 for Finance and Operations and AX 2012 Development, Integration and Administration:**
* Manage Sprints, Backlogs and work Items and environment maintain using DevOps to deliver project work and deployments.
* Manage the lifecycle of D365 FO implementations and create, upgrade and maintain Dynamics 365 Finance and Operations environments.
* Manage Dynamics 365 FO security roles, ensuring strict adherence to the company's segregation of duties policies.
* Import and export data using data entities and templates in Dynamics 365 Finance and Operations.
* Strong knowledge on Procure to Pay and order to cash functionalities.
* Experienced with Dynamics 365 ERP integrations using OData, REST API (Batch data API, Recurring Integration API) and custom APIs.
* Experienced working with CI/CD pipelines within Azure DevOps for version control of Dynamics 365 source code, enabling collaboration and code review among development teams.
* Develop and maintain integrations between Dynamics 365 and other systems, using Azure Logic Apps, O data API, DMF framework and Data Entities and Custom web services.
* Knowledge in integrating Azure storage explorer for files and attachments with D365 FO.
* Utilized Postman for testing integrations with D365FO and external applications.
* Strong knowledge and working experience on SSRS Reports, Management Reporter (MR Reporter), Retail CDX, Cloud POS, Modern POS, Retargeting Tool, AIF, DIXF and SSRS reports and Power BI Reports, Document Routing Agent (DRA), Electronic Reporting
* Familiar with the configuration & setup of POS profiles, deployment topologies, sync services and distribution schedule of AX2012 Retail.
* AX Installation & Configuration, Trace Parser and Strong trouble shooting skills using Kusto logs.
* SQL Administration, Data Import / Export, SQL Profiler, Data Tuning
* Good understanding on Software Development life cycle, sure step methodology and Architecture and Agile methodology.
* Installation, configuration and maintenance of TFS (Team Foundation server) for code check-in.
* Performed training, Code/Peer reviews, code refactoring, best practices check and process improvements.
* Developed extensions using **COC and Event handlers** based on the functional requirement.
* Fix any Index Maintenance issues and Heavy Application Database Logging Issue.
* Identifying and fixing any type of Processor Bottlenecks for Dynamics AX Batch Processing and Optimization of the Batch Performance
* Created integrations with third-party applications using DMF, O-Data, custom and web services.
* Experienced in Managing for Microsoft Dynamics 365 F&O environments with LCS (Life Cycle Services), Power apps and Azure DevOps (Azure Boards, Azure Repos, Build and code deployments using CI/CD pipelines)
* Apply Microsoft One-Version updates to environments via LCS and troubleshoot any issues that arise
* Design, Develop, and Customize Microsoft Dynamics 365 F& O solutions based on business requirements, ensuring scalability, efficiency, and maintainability.
* Provide technical guidance and mentoring to the development team

### TECHNICAL SKILLS SUMMARY:

* **Enterprise Technologies :** X++ (Axapta).
* **ERP Package :** Dynamics 365 for Finance & Operations, Microsoft Dynamics AX 2012 & R2/R3, MS Dynamics AX 5.0, Management Reporter 2012.
* **Databases** : SQL Server 2018, 2016/2012/2008 R2/ 2005.
* **Development Tools** : Morph X , Visual Studio 2019/2017/2010, Visual studio Code
* **Programming Languages**  : X++, C, C++ and C#, HTML, JavaScript, TypeScript.
* **Web Technologies** : HTML5, CSS3 and Web Services, Angular 10, Prime NG
* **Reporting Tool** : SQL Server Reporting services (SSRS).
* **Integration Services** : SSIS,  Rest API’s, OData.
* **Framework :** Microsoft.Net Framework 4.5.
* **Microsoft SharePoint 2010 server.**
* Team foundation server (TFS) and Version Control, GitHub

### MICROSOFT CERTIFICATIONS & AFFILIATIONS

* **MB6-894: Development, Extensions and Deployment for Microsoft Dynamics365 for Finance and Operations.**
* **MB6- 869: Microsoft Dynamics AX 2012 Development Introduction**
* **MB6-821: Microsoft Dynamics AX 2009 Morph X Development.**
* **SQL Server 2008 Implementation & Maintenance.**

### DETAILS OF PROFESSIONAL EXPERIENCE:

1. **Dynamic365 FO upgrade, Implementation & Integration for Parking Services**

**Client**: **City of Phoenix, Aviation Department**

**Role**: **AX /D365 Techno Functional Architect**

**Duration**: 7 Years (Nov 2017 – Till date)

**Environment**: Dynamics 365 FO, Microsoft Dynamics AX 2012 R2, SQL 2014/2012, Visual Studio 2015/2013/2010, Entervo, SQL Developer.

**Description:**

Providing technical solutions and support to AX End users.

**Responsibilities included:**

* Planned, architected, and implemented the upgrade from AX 2012 R2 to Dynamics 365 Finance and Operations (D365 FO), including code and data upgrades, and successfully integrated with Entervo for seamless operational continuity.
* Implement and Customize AX 2012 R2 system and integrate it with Entervo parking system.
* Integrating a portal-related application with D365 using .NET Framework, C#, and web technologies such as ASP.NET and MVC. This integration involves leveraging various APIs and libraries provided by D365 to connect and exchange data between the portal application and D365.
* Integrated Azure Storage Explorer for file attachments within D365 FO and maintained the Payment Parking Portal application, ensuring seamless user access and payment integration with Dynamics 365 FO.
* Customized and maintained security configuration file import/export processes in D365 FO to support secure system administration.
* Collaborated closely with Finance team members to troubleshoot and resolve D365 FO issues, ensuring smooth financial operations.
* Created and maintained comprehensive documentation for new processes and system implementations to facilitate team knowledge sharing.
* Actively participated in sprint planning, demos, reviews, and grooming sessions to gather requirements and align development with business needs.
* Customization done on following Axapta Modules: Accounts Receivable, General Ledger, production, Inventory Management and System Administration.
* Actively participated in regular client meetings to provide project status updates and discuss upcoming milestones and strategic direction.
* Automated the generation of periodic recurring invoices and implemented email delivery of invoices to customers, improving efficiency and reducing manual effort.
* Led domain migration and upgraded Windows Server from 2008 to 2012 across all existing Microsoft Dynamics AX environments, ensuring system stability and improved performance.
* Collaborated with cross-functional and cross-product teams to resolve complex technical and functional issues, including Entervo integration and REST/SOAP-based parking transaction services, leveraging Visual Studio and TFS for development and code management.
* Designed, developed, and customized complex SSRS reports using MorphX and Visual Studio tools, and implemented role-based security models in AX/D365 FO to support business reporting, security, and compliance requirements.
* Data refreshes to various environments Tier 2, Tier 1 and Dev environments using LCS.  Perform configuration tasks within D365 after refreshes to prepare environment for use.
* Code deployments to various non prod environments using Azure DevOps (Using Build pipeline and deploy pipelines)

**Client**: **City of Phoenix, Aviation Department**

* **Project**: **xPort upgrade Project**
* **Environment**: Visual Studio Code/2019, SQL Server, Angular, Prime NG, Progressive web app development.
* **Description:**

xPort desktop application is built using Silverlight technologies. It runs only on IE browser, the support for which will end shortly. This project will upgrade it to Angular application.

**Responsibilities included:**

* Worked on upgrade database methods and share port methods to Angular application
* Also modify xPort service to add few enhancements like push notifications from SAP, upgrading maps to REST services currently using SOAP services, getting rid of user cache on server.
1. **Dynamics 365 for Operations Concierge project**

**Client**: Microsoft

**Role**: AX Technical Lead Consultant

**Duration**: 7 Months (Feb 2017 – Sept 2017)

**Environment**: Dynamics 365 for Finance & Operations [AX7], SQL 2016/2014/2012, Visual Studio 2015/2013/2010, Management Reporter 2012, Power BI Reports.

**Description:**

Providing technical solutions and support to all Microsoft dynamics 365 for operations customers.

**Responsibilities included:**

* Provided advanced technical support and solutions to Dynamics 365 FO customers worldwide, addressing critical system issues.
* Collaborated with cross-functional teams to resolve complex database synchronization issues, enhancing system reliability.
* Collaborate with Technical Leads and escalation resources when appropriate.
* Extensively worked on DB Sync issues, LCS services, Environment Monitoring, Management reporter 2012, DRA, Advanced modules WAX and Retail CDX issues and Retargeting tool.
1. **Microsoft Dynamics AX 2012 R3 Implementation for FTA Cards Business of STR Process**

**Client**: ATCC

**Role**: AX Technical Architect

**Duration**: 6 Months (August 2016 – Feb 2017)

**Environment**: AX R3 Azure, SQL 2014/2012, Visual Studio 2013/2010

**About ATCC:**

ATCC is a non-profit organization with a mission to acquire, authenticate, preserve, develop, standardize, and distribute biological materials and information for the advancement and application of scientific knowledge. Project involved streamlining ATCC-STR Business Processes by configuring and customizing Dynamics AX2012R3 Azure environment according to the requirements and integrating it with web services.

**Responsibilities included:**

* Customization done on following Axapta Modules: Accounts Receivable, Inventory management, Sales & marketing, Supply chain interface, production, Inventory Management and System Administration.
* Led the AX 2012 R3 implementation, streamlining biological material inventory processes.
* Integrated custom web services for automated sales orders and inventory management.
* Worked on import of sales orders and cell authentication orders.
* Worked on sending email notification to lab and end client.
* Developed new Customer base/service item base and product based SSRS reports to show number of tests by customer by product category and average turnaround time in AX 2012.
1. **AX 2012 Upgrade and implementation for Lifetime products**

**Client**: Lifetime Products

**Role**: Senior Developer, Database designer

**Duration**: 15 Months (March 2015 – August 2016)

**Environment**: AX 6.0, AX R3, SQL 2014/2012, Visual Studio 2013/2010

**About Lifetime Products:**

Lifetime Products Inc. is the world's leading [manufacturer](https://en.wikipedia.org/wiki/Manufacturing) of [blow-moulded](https://en.wikipedia.org/wiki/Blow_molding) [polyethylene](https://en.wikipedia.org/wiki/High-density_polyethylene) [folding chairs](https://en.wikipedia.org/wiki/Folding_chair) and [tables](https://en.wikipedia.org/wiki/Table_%28furniture%29), [picnic tables](https://en.wikipedia.org/wiki/Picnic_table), and home [basketball](https://en.wikipedia.org/wiki/Basketball) equipment. Lifetime also manufactures other consumer products, including [sheds](https://en.wikipedia.org/wiki/Shed), [kayaks](https://en.wikipedia.org/wiki/Kayak) and [paddleboards](https://en.wikipedia.org/wiki/Stand_up_paddle_surfing), and lawn and garden items, along with [OEM](https://en.wikipedia.org/wiki/Original_equipment_manufacturer) steel and plastic items for other companies.

Lifetime products are available in more than 80 countries.

**Responsibilities included:**

* Successfully managed an AX 2012 R3 upgrade for a global manufacturing company, enhancing system scalability and performance
* Developed critical financial and inventory management customizations, improving operational efficiency.
* Provided solution for Zero-dollar payment journal and unapplied and over/under payment journal to prioritise deductions first before cash.
* Enhanced the RMA workbench for managing all return orders, streamlining the return process and ensuring efficiency.
* Improved cost reporting accuracy by leading the conversion of standard costs to actual costs.
* Code and layer upgrade from AX2012 to AX R3 CU8 and AX R3 CU8 to CU9.
* Load Testing for all AX features using visual studio application
1. **AX 2012 implementation for Meat Plant Inventory Improvement**

**Client**: Shamrock food services

**Role**: Senior Developer, Database designer

**Duration**: 6 Months (Sep 2014 – Feb 2015)

**Environment**: AX 6.0, SQL 2012, Visual Studio 2010

**About Shamrock:**

Shamrock Foods Company is distributor of foods and food service and meat products, serving the Rocky Mountain and the Southwest regions with distributions canters in Phoenix, Denver and Southern California.

**Responsibilities included:**

* Developed a **wizard for Receiving and Transfers Journals**, replicating mobile handheld device functionality for improved process consistency and user experience.
* Addressed critical **bug fixes in Dynamics AX 2012**, ensuring system stability and performance.
* Designed and implemented the **Ship from Inventory** feature, improving warehouse fulfillment accuracy and inventory management.
* Developed a **Window Wizard Dialog** feature, aligned with mobile app workflows, to enhance user experience across different platforms.
* Wizard development for Receiving and transfers Journals that is similar process for mobile hand-held device.
1. **AX 2012 implementation for WPP (Wired Plastics and Products)**

**Client**: WPP (Wired Plastics and Products)

**Role**: Senior Developer/AX Technical Lead, Database designer

**Duration**: 20 Months (Sep 2011 – Aug 2014)

**Environment**: AX 6.0, AX R2, SQL 2008 R2, SQL 2012 R2, Visual Studio 2010

**About WPP:**

WPP is the world's largest communications services group, employing over 1.5 Lakh people working in 3,000 offices in 110 countries which comprises of many agencies which are primarily involved in marketing & communications services, media & advertising, etc.,

**Features developed for this project:**

 **Responsibilities included:**

* Successfully led system architecture design, aligning with business needs and improving data flow and operations.
* Delivered on-time upgrades and workflow implementations, minimizing downtime and maximizing efficiency.
* Enhanced product release processes, contributing to high-quality deliverables through meticulous code reviews and quality assurance.
* Developed Change Requests for the existing processes to meet functional requirements.
1. **Discount Management Tool (DMT):**

**Duration:** May 2011- Oct 2011

**Implementation of Microsoft Dynamics AX 2012 for Discount Management**

**Project Summary:**

The Discount Management Tool was identified as the application to replace Deal Tracker and Promo Web to support these business needs. The Deal Tracker tool is used exclusively in NAOC and Promo Web are used in rest of world. The ability to apply global business rules is limited using multiple tools and the limitations within these tools to apply logic that is more complex.

 **Roles & Responsibilities:**

* Developed new Forms, Tables, EDTs, classes, datasets and web controls as per the requirement.
* Involved in design both AX thick client and Enterprise portal.
* Implementation of Microsoft Dynamics AX 2012 for Discount Management.
* Involved in creating workflows for the approval or rejection of users.

**Technology**: Microsoft Dynamics AX 2012

1. **Vendor Management Features (VMF):**

**Duration:**  Dec 2010- May 2011

**Implementation of Microsoft Dynamics AX 2012 for Expense Management (Procurement and Sourcing)**

**Roles & Responsibilities:**

* Customized **AX Rich client** and **Enterprise Portal**, performing validations at the form, table, dataset, and web control levels to ensure data integrity and system functionality.
* Provided **bug fixing** and enhancements, and developed **test automations using AX Proxies**, a framework built on C#, to streamline testing processes and improve code quality.

**Technology**: Microsoft Dynamics AX 2012

1. **Implementation of Microsoft Dynamics AX 5.0 for Infrastructure Company**

**Duration:** Oct 2009 – September 2010

**Roles & Responsibilities:**

* Understanding requirement for development to meet desired functionality and prepare TDDs.
* Implementation and customization of business logic.
* Attending the weekly calls with client for priority of work items and daily track of the work items

**Technology**: Microsoft Dynamics AX 5.0

1. **Implementation (Microsoft Dynamics AX 5.0) for Production Company:**

**Duration:** September 2008 – July 2009

**Roles & Responsibilities:**

* Fit-Gap Analysis of change in requirements
* Customization and Technical support and troubleshooting and Technical fixes.

**Technology**: Microsoft Dynamics AX 5.0

1. **Implementation (Microsoft Dynamics AX 5.0) for Textile Industry**

**Duration:** Oct 2007 – August 2008

**Roles & Responsibilities:**

* Involved in Design and Development/Customization, which involves development of modules, forms and reports
* Technical support and troubleshooting

**Technology**: Microsoft Dynamics AX 5.0

### EDUCATION

Completed **B. Tech** from **VNR VJIET** affiliatedto **JNTU Hyderabad** in **2006.**

### WORK EXPERIENCE:

* Currently working as an **AX Technical** **Architect** in Swanktek Inc.

### ACHIEVEMENTS:

* Got **Team of the Year** **Award** in 2011 for MSIT.
* Got **Plaque of Appreciation Award** for fixing technical challenge issues
* **Microsoft Certified Specialist.**