

TRIPP MARTIN

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PROFESSIONAL SUMMARY

Software Architect and technology leader with 25+ years of experience delivering enterprise software solutions for public sector and commercial organizations. Proven success leading distributed development teams, designing scalable enterprise architectures, and delivering Microsoft Dynamics 365 Finance & Operations implementations. Experienced in solution architecture, application integrations, Power Platform development, software delivery governance, and Agile project execution. Skilled at translating complex business requirements into secure, maintainable technical solutions while mentoring development teams and driving successful project outcomes.

EXPERIENCE

Software Architect

2022 - Present

Crowe LLP | Remote Work

- Serve as Software Architect and software lead for multiple public sector Microsoft Dynamics 365 Finance & Operations (D365 F&O) implementation projects during the implementation lifecycle.
- Translate functional and business requirements into robust, scalable, and secure technical solution designs aligned with customer and project objectives.
- Lead architectural design and development efforts for D365 F&O customizations, extensions, integrations, and reporting solutions utilizing X++ and C#.
- Direct integration initiatives between D365 F&O and third-party systems while ensuring adherence to enterprise architecture standards and security requirements.
- Mentor onshore and offshore development teams through technical leadership, code reviews, architecture reviews, and enforcement of development standards and best practices.
- Manage Application Lifecycle Management (ALM), release planning, deployment strategies, source control processes, and CI/CD pipelines to support efficient software delivery.
- Oversee multiple Independent Software Vendor (ISV) solutions supporting public sector customers, including product management, enhancement planning, implementation guidance, and technical governance.
- Design and develop Microsoft Power Platform solutions including Power Apps, Power Pages portals, Dataverse plugins, Power Automate workflows, and PowerApps Component Framework (PCF) controls.
- Collaborate with functional consultants, project managers, and customer stakeholders to identify technical risks and ensure successful delivery of enterprise solutions.

Key Accomplishments:

- Served as software lead across multiple concurrent public sector D365 F&O implementation projects.
- Established technical governance practices including architecture reviews, coding standards, and development quality controls.
- Delivered custom integrations and solution extensions supporting complex public sector business processes.
- Expanded organizational Power Platform capabilities through development of custom applications, portals, plugins, and reusable PCF components.

Software Development Lead

2012 - 2022

- Review requirements with customers to ensure that their needs are correctly understood and any functional / technical concerns are resolved
- Design the product enhancements necessary to solve customer requirements and document the solution, user stories, and acceptance criteria in JIRA
- Lead a 5-10 person offshore development team to ensure requested enhancements and bug fixes are completed on time and efficiently
- Manage five Development and Quality Assurance team members based in the US and Philippines using Microsoft Teams and Slack as a primary method of collaboration
- Ensure that the code delivered by the development team meets the quality definition provided by Product Management and Quality Assurance using unit tests and code reviews in GitHub
- Manage technical debt using JIRA and coordinate with Product Management to get those tasks scheduled into the product roadmap
- Manage third-level support of the solution using JIRA to ensure that the development team is correcting issues prioritized by Product Management with each release of the product
- Assist second-level infrastructure support team for Production issues to perform a root cause analysis of the problem and best course of action for resolution
- Support sales team with responses for Request for Proposals (RFPs) and preparation for customer demos
- Serve as the release manager for the product to ensure that the code and builds for each release is maintained correctly in GitHub and Jenkins

Key Accomplishments:

- Transitioned the development team from a Waterfall to Agile methodology
- Designed and documented our Agile implementation of the user story transition process in JIRA
- Led the transition from a manual build and deploy process into an automated one using Jenkins leading to less manual work required to get updated builds into the QA, Stage, and Production systems
- Completed the implementation of three state governments onto the WebProcure eProcurement solution including integration into their ERP system
- Designed and began the transition from a monolithic architecture to a microservices-based architecture using Spring Boot-based RESTful APIs for internal application communication
- Designed external JSON-based RESTful APIs used by external customer systems to communicate data into our application
- Migrated four independent software packages from Perforce source control system to Git

Software Developer / Development Lead

1999 - 2012

Commerce One | Greenville, SC

- Worked with key clients to craft customized solutions based on supplied requirements while striving to create a solution robust enough to be beneficial to additional customers
- Acted as a lead to other members of the product development team ensuring that all custom development work was completed on time and at the highest level of quality
- Provided third-level support to diagnose technical issues with customer implementations of the Commerce One Procurement (COP) eProcurement solution
- Created software fixes for customer issues reported, packaged those fixes into a deliverable, and drafted instructions that were used by the customer to install on their local installation of the COP product
- Built COP product enhancements using Java according to customer requirements
- Created installation packages for enhancements that included installation instructions
- Coordinated testing with our Quality Assurance team to ensure that all product enhancements met the customer requirements
- Served as a Java development resource on the team to implement product customizations for our customers

SKILLS

- Solution Architecture and Enterprise Application Design
- Microsoft Dynamics 365 Finance & Operations (D365 F&O)
- X++, C#, Java, JavaScript, HTML, CSS
- Microsoft Power Platform (Power Apps, Power Pages, Power Automate, Dataverse)
- PowerApps Component Framework (PCF)
- System Integrations, REST APIs, and Enterprise Middleware
- Azure DevOps, Git, GitHub, CI/CD Pipelines
- Application Lifecycle Management (ALM)
- Agile Software Development and Scrum Methodologies
- Technical Leadership, Team Mentoring, and Code Reviews
- Public Sector ERP Implementations
- SQL Server, Oracle, T-SQL, and PL/SQL
- Requirements Analysis and Technical Design
- Windows and Linux Environments
- Strong Analytical, Problem Solving, and Communication Skills

EDUCATION

Clemson University | Bachelor of Science in Computer Engineering

1994 - 1998