

Martin ("Marty") McGuire

Full Stack Software Engineer with 10+ years experience producing and streamlining customer-facing software & web-based solutions

Gaithersburg, MD
(301) 221-8041

MartinJosephMcGuire@gmail.com
<https://github.com/mjmcguire>

SUMMARY

I am a conscientious software engineer with a "users first" mindset and a passion for learning and problem-solving. For the past three years I have worked in an Agile environment on the full stack development and optimization of the company's single-page application (SPA) for Veterans United Home Loans. I dedicated myself to making meaningful contributions using C#, JavaScript, TypeScript, and Angular. Additional technology used for data management included MySQL, SQL Server, MongoDB, and Redis caching. I developed and maintained automated CI/CD builds and release pipelines using Azure DevOps, helping facilitate seamless integration and deployment processes. My contributions allowed for smooth transitions from legacy systems to a modern event-driven architecture utilizing microservices and containerization with Mia-Platform. This work directly resulted in improvements to user experience, system scalability, and performance, driving a nearly 50% increase in customer engagement and retention.

SKILLS

- Languages/Tech: C#, C++, Java, JavaScript, TypeScript, 4D, HTML5, CSS3, XML, SAML, JSON, JWT
- Frameworks/Libraries: .NET, React/ReactJS, Redux, Bootstrap, Angular, Entity Framework, Spring Framework for Java, Moq, Telerik JustMock, Jasmine, OpenID, OAuth
- Platforms/Tools: Windows, macOS, Linux, Visual Studio, Visual Studio Code, Git, GitHub, Azure DevOps, Node.js, Swagger/SwaggerHub, SQL Server, MySQL, MongoDB, Confluence, Jira, PivotalTracker, LLMs/Generative AI (ChatGPT, GitHub Copilot, etc.), Microsoft Dynamics 365, Splunk, Grafana, FullStory, Mia-Platform, AWS, Docker, Kubernetes, Argo, Intercom, SendGrid, Thycotic Secret Server, Unity
- Methodologies: Agile (Scrum, Kanban, XP, Lean), MVC, Responsive Web Design, EDA, DevSecOps, REST API Development, SOAP, Containerization, Microservices, CI/CD, Automated Build/Release Pipelines, Automated Unit/Integration Testing, E2E Testing
- Soft Skills: Technical and Non-Technical Communication, Dedication, Curiosity, Empathy, Attention to Detail, Flexibility, Supportive and Collaborative Teamwork

TRAINING/CERTIFICATIONS

- MongoDB Training
- SpringSource Framework
- Speed of Trust
- Introduction to Clinical Data Management
- Completion of CDISC standards and practices relating to software development

PROFESSIONAL EXPERIENCE

Veterans United Home Loans - Columbia, MO (Remote)

April 2021 - October 2024

Software Engineer/Architect Liaison

- Over three years as a full stack Agile software engineer contributing to the company's customer-facing reactive home loan management SPA through software design, development, & integration, and proactively identifying & resolving production environment issues. Daily responsibilities included writing and debugging code & automated unit/integration tests, implementing RESTful APIs, communicating with technical & non-technical stakeholders, maintaining up-to-date documentation & Confluence knowledge base, and ensuring high site availability and reliability using Splunk for real-time log analysis and system monitoring, FullStory for user behavior insights, and Grafana with Prometheus for performance tracking
- Around two years as the team's architect liaison, working directly alongside system architects to discuss company-wide software engineering SOP, review and vote on adoption of technical standards, making additions, deletions, and changes to API contracts, and providing feedback on software design decisions regarding intra- and inter-team project flow and their relation to major business goals
- Personal accomplishments include contributing to the creation and implementation of Profile API, a distributed, event-driven back-end system for unifying user accounts across various internal systems, transitioning CIAMs between Okta and PingOne, using authentication & authorization best practices for user and employee SSO, utilizing Intercom and SendGrid to notify users via iOS push notifications and email alerts, and becoming SME for several projects owned and inherited by our development team
- Primary technology stack consisting of C# .NET, JavaScript/TypeScript, Angular v14-17, Microsoft SQL Server, MySQL, MongoDB, Git, GitHub, Azure DevOps, FullStory, Splunk, and Grafana

Systemx, Inc./Project for NIH - Bethesda, MD

July 2008 - October 2019

Software Developer

- Over 11 years as a primarily front-end Agile developer augmenting and maintaining a distributed system, multi-platform desktop application for clinical trial data management and research at NIAID. Daily responsibilities included development and optimization of new and pre-existing codebases, UI/UX design, maintaining up-to-date software documentation & internal wiki knowledge base, and direct communication with users for requirements gathering, feedback, and support
- Personal accomplishments include leading development of a revised Contacts and Address Book module amidst evolving requirements, resulting in improved data management and user satisfaction when tracking patient's relationships to both their family & their doctors/specialists, spearheading the creation of a new Monitoring module used by Monitors to track anonymized patient data, adherence to trial standards, communication with clinical staff, and more
- Primary technology stack included 4D, Sybase, and Oracle for legacy systems; also utilized React, Redux, TypeScript, JavaScript, Java, and Bootstrap to contribute to an SPA project designed to replace our legacy desktop software

EDUCATION

B.A. Computer Science – St. Mary's College of MD (St. Mary's City, MD)

August 2002 - May 2005

- Graduated *Magna Cum Laude* with a B.A. in Computer Science, complemented by additional coursework in philosophy, ethics, and creative writing