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MARVIN KASSABIAN

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SUMMARY

Senior Software Engineer with 12+ years of experience delivering enterprise software solutions. Expertise in C#, Python, Go, and TypeScript, with a strong focus on real-time systems, automated testing, CI/CD pipelines, and system integration from design through deployment and production support.

TECHNICAL SKILLS

- **Programming Languages:** C#, C++, Python, Go, TypeScript, Java
- **Software Development:** Object-Oriented Design, Legacy System Enhancement, Real-Time Applications, Automated Testing, TDD
- **Infrastructure & DevOps:** Docker, Kubernetes, CI/CD Pipelines, Git

PROFESSIONAL EXPERIENCE

Superior Technologies Research • *Senior Software Contractor*   *May 2025 - December 2025*

- Architected and delivered enterprise-scale HR performance-tracking platform from inception to production deployment, following agile development practices and milestone-driven project planning to meet critical delivery dates.
- Developed well-structured, thoroughly documented software using Vue.js 3/TypeScript frontend and Go RESTful API backend with comprehensive technical specifications and operational documentation.
- Implemented comprehensive automated test suite achieving full route coverage across all application domains, following TDD principles with unit, integration, and system test procedures to ensure code reliability.
- Deployed containerized microservices via Docker and Kubernetes with GitLab CI/CD pipelines, OpenTelemetry observability, and health monitoring for production environments.

Calder Solutions • *Part-Time Software Developer*   *July 2024 - August 2025*

- Developed a dynamic school platform using Next.js and Payload CMS with Firebase for user authentication, classroom management, and sign-up workflows, enabling teachers to create, reuse, and manage curriculum modules through a custom admin interface.
- Built a yacht sales e-commerce platform from the ground up in Next.js (TypeScript), replacing the client's legacy site. Integrated with a complex dealership and employee hierarchy system via a custom ASP.NET Core backend.
- Provided on-call production support for multiple customers, responding to Zendesk tickets with rapid turnaround to maintain continuous system uptime and meet SLA expectations.

Michigan Immigrant Rights Center • *Data Analyst*   *April 2024 - April 2025*

- Developed automated Python scripts for data import, reconciliation, and validation, streamlining audit processes and demonstrating expertise in scripting for automated testing and data integrity verification.
- Created data visualizations and reports using Python to support organizational operations and funding activities.

Superior Technologies Research • *Senior Software Contractor*   *September 2021 - March 2024*

- Architected and developed microservices decomposing legacy systems into maintainable, domain-specific services with Vue.js frontend and Go RESTful APIs following clean architecture principles and comprehensive documentation standards.
- Built RESTful APIs for system integrations, including accounts payable workflows between Medius and Microsoft Dynamics GP.
- Utilized Ginkgo and Gomega testing frameworks following Test-Driven Development (TDD) principles to ensure feature parity during migration with comprehensive automated test coverage.
- Contributed to internal Go libraries and created technical documentation including design specifications and operational procedures to standardize service creation and deployment practices.

eoStar • *Software Developer*   *February 2016 - September 2021*

- Developed and maintained cross-platform applications using C# for desktop and Xamarin.iOS for mobile, implementing native integrations, debugging complex platform-specific issues, and delivering production-ready solutions.
- Enhanced legacy C++ application by designing and implementing SQL export functionality, enabling data migration from proprietary database system to SQL Server, requiring deep analysis of existing codebase and system architecture.
- Deployed TensorFlow-based machine learning models on iOS devices for real-time intelligent order suggestions and voice assistant features, optimizing performance for resource-constrained mobile environments.
- Built RESTful APIs in ASP.NET Core (C#) for third-party integrations and government systems, collaborating with cross-functional teams in agile environment to deliver scalable, well-documented solutions.

EDUCATION

Michigan Technological University • B.S. in Computer Science, Minor in Mathematics   *September 2011 - December 2015*