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MARVIN KASSABIAN

SUMMARY

Senior Software Engineer with 12+ years delivering enterprise-scale applications and distributed systems. Proven track record architecting microservices from conception through production deployment, with expertise in C#, Go, Python, and TypeScript. Experienced in building event-driven architectures, real-time applications, and cloud-native solutions with comprehensive testing and automated deployment pipelines.

TECHNICAL SKILLS

- **Programming Languages:** C#, C++, Python, Go, TypeScript, Java
- **Software Development:** Object-Oriented Design, Legacy System Enhancement, Real-Time Applications, Automated Testing, TDD
- **Cloud Platforms:** AWS (SQS/EventBridge), GCP, Firebase
- **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 (GCP) 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.

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.
- Designed and implemented an AWS-based event bus (SQS/EventBridge) to enable communication and integration between distributed systems across the organization.

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*