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MARVIN KASSABIAN

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SUMMARY

Senior Software Engineer with 12+ years of experience building cross-platform web and mobile applications. Specialized in architecting microservices with React, TypeScript, Vue.js, and Go backends. Proven expertise in developing RESTful APIs, implementing machine learning solutions on iOS devices, and decomposing legacy monoliths into maintainable services. Strong background in Test-Driven Development, CI/CD practices, and delivering accessible, user-focused applications through cross-functional collaboration.

SKILLS

- **Programming Languages:** TypeScript, JavaScript, Go, Java, C++ , C#, Python
- **Frontend Frameworks:** React (Next.js), React Native, Vue.js, HTML/CSS
- **Backend & APIs:** Node.js, ASP.NET Core, RESTful APIs, GraphQL
- **Tools & DevOps:** Docker, Git, CI/CD, Firebase, Jest, Unit Testing
- **Databases:** PostgreSQL, MongoDB, T-SQL, Firebase

PROFESSIONAL EXPERIENCE

Superior Technologies Research • *Senior Software Contractor* *May 2025 - December 2025*
- Contracted to architect and deliver MVP for enterprise-scale HR performance-tracking platform from inception to go-live, building full-stack application with Vue.js 3/TypeScript frontend and Go RESTful API backend.
- Built TypeScript application using Vuetify 3 Material Design, implementing assessment templates, ROI tracking, vision management, and Excel export capabilities for comprehensive reporting.
- Architected Go microservice with SQL Server and Aerospike caching, deploying via Docker and Kubernetes with GitLab CI/CD pipelines and OpenTelemetry observability.
- Implemented comprehensive test suite with 100+ test functions following TDD principles to ensure code reliability and maintainability across full-stack development.

Calder Solutions • *Part-Time Software Developer* *July 2024 - August 2025*
- Developed responsive, accessible frontend features for an educational platform using Next.js (React framework) with TypeScript, enabling teachers to create, schedule, and publish interactive lessons.
- Integrated RESTful APIs and Firebase for real-time data management and student response handling.
- Collaborated cross-functionally with designers and product managers, incorporating user feedback to deliver intuitive, accessible user experiences.

Michigan Immigrant Rights Center • *Data Analyst* *April 2024 - April 2025*
- Developed automated Python scripts for data import, reconciliation, and cleaning, streamlining end-of-month auditing processes and resolving critical funding-related data integrity issues.
- Created comprehensive data visualizations using Python to showcase organizational impact and support funding activities.

Superior Technologies Research • *Senior Software Contractor* *September 2021 - March 2024*
- Architected and developed microservices with Vue.js frontend and Go RESTful APIs, decomposing legacy PHP and ASP.NET monoliths into maintainable, domain-specific services.
- 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.
- Contributed to internal Go libraries and created technical documentation to standardize service creation and deployment practices.

eoStar • *Software Developer* *February 2016 - September 2021*
- Developed and maintained cross-platform mobile applications using Xamarin.iOS for field users and deployed TensorFlow-based machine learning models on iOS devices for order suggestions and voice assistant features.
- Built RESTful APIs in ASP.NET Core for third-party integrations and government systems, including Zambia Revenue Authority tax data integration.
- Performed K-means clustering and classification analysis with scikit-learn to identify customer segments and optimize purchasing behavior predictions.
- Conducted ETL operations using T-SQL to migrate client databases and enhanced legacy C++ application with SQL export functionality.

EDUCATION

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