MARVIN LINCOLN KASSABIAN

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EDUCATION

Michigan Technological University • B.S. in Computer Science, Minor in Mathematics   *2015*

SKILLS

- **Programming Languages:** Go, Java, C++ , C#, TypeScript, Python, Ruby, R
- **Frameworks and Libraries:** Next.js, Vue.js, Angular, React, scikit-learn
- **Databases:** PostgreSQL, T-SQL, MongoDB, Firebase

PROFESSIONAL EXPERIENCE

Calder Solutions • *Part-Time Software Developer*   *July 2024 - Present*
- Developed the frontend of an educational platform using Next.js, enabling teachers to create, schedule, and publish lessons with integrated questions.
- Utilized PayloadCMS for managing lesson content and Firebase for handling student responses.
- Collaborated with the design team and incorporated customer feedback to ensure the website is user-friendly, accessible, and meets client requirements.

Superior Technologies Research • *Senior Software Contractor*   *September 2021 - March 2024*
- Decomposed legacy PHP and ASP.NET monolith codebase into domain-specific Go services with a Vue.js frontend.
- Utilized Ginkgo and Gomega to ensure that transitioning from a monolith to domain-specific services maintained feature parity, adhering to Test-Driven Development (TDD) principles.
- Created a Go-based API to streamline accounts payable integration between Medius and Microsoft Dynamics GP, utilizing calls to the Medius API to retrieve necessary data.
- Created technical documentation and provided hands-on support to teams for tagged deployment process changes, including tutorials on the new deployment method.
- Refactored repositories to adhere to domain-driven design (DDD).
- Contributed to a Go library aimed at standardizing service creation, enhancing DevOps capabilities for service management.
- Rewrote Node.js services in Go for improved maintainability.
- Updated legacy codebase for multi-currency support and enhanced data security.
- Developed a robust expense processing integration that transforms Expensify data into consumable models.
- Converted legacy T-SQL stored procedures to maintainable Go code.

eoStar • *Software Developer*   *August 2016 - September 2021*
- Performed K-means clustering analysis with scikit-learn to identify customer segments and purchasing patterns, providing actionable insights for marketing and inventory strategies.
- Trained and evaluated a classifier for predicting purchasing behavior using scikit-learn and custom data processing, optimizing model performance through precision-recall analysis and ROC curve visualization.
- Built and deployed a TensorFlow-based machine learning model from sales data on end-user iOS devices.
- Developed a RESTful API in ASP.NET Core for daily data transfers to third-party software.
- Led projects involving order suggestion and voice assistant functionalities, utilizing machine learning models.
- Enabled tax data uploads through integration with the Zambia Revenue Authority.
- Designed and implemented backend systems for Zambian integration in ASP.NET Core.
- Collaborated with a third-party team to resolve data ingestion issues by assisting their developers with Ruby code.
- Supported and developed a Xamarin.iOS app to facilitate transactions for field users.

eoStar • *Data Migration Specialist*   *February 2016 - August 2016*
- Performed ETL (Extract, Transform, Load) operations to integrate databases from newly acquired clients into the company system using T-SQL.
- Enhanced a legacy C++ application by integrating a SQL export feature, facilitating seamless data conversion from a proprietary database system, and improving data extraction and transfer processes between client systems and our platform.

Jackson National Life Insurance • *Software Developer*   *Spring 2013 - Summer 2015*
- Led a team of three to migrate databases, troubleshoot bugs in multiple Access GUIs and databases based on end-user feedback, and deployed database migrations and fixes to production.
- Collaborated within a team of five to develop a Java-based application for aggregating employee hours and generating schedules.
- Contributed to developing an application to streamline the recruitment and hiring process.
- Developed a Java application in a team of four to report programmer performance to managers.