Marvin Lincoln Kassabian
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Education

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

Skills

- Professional experience in Go, Java, C++ , C#, JavaScript, Python, Ruby, and SQL.
- Personal experience in Rust, Kubernetes, and Proxmox.

Professional Experience

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

- Decomposed legacy PHP and ASP.NET monolith codebase into Go microservices with a Vue.js front end.
- 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.
- Engaged with end users in the financial/accounts payable domain to effectively solve complex problems, despite initial unfamiliarity with the domain.
- Developed a robust expense processing integration that transforms Expensify data into consumable models.
- Optimized services with readonly database connections to reduce strain.
- Collaborated on database schema changes with datbase admin to enhance data integrity.
- Converted legacy T-SQL stored procedures to maintainable Go code.

Rutherford & Associates • *Software Developer* — *August 2016 - September 2021*

- Migrated traditional desktop applications to modern web-based services by utilizing Angular 12 for the front end.
- Wrote a RESTful API in ASP.NET Core to facilitate daily data transfers to third-party software.
- Lead projects involving order suggestion and voice assistant functionalities, leveraging machine learning models.
- Interfaced with Zambia Revenue Authority to enable tax data uploads.
- Conducted thorough testing of Zambian API integration using Firebase as the backend testing database.
- Designed backend for Zambian integration in ASP.NET Core.
- Collaborated with a third-party team, providing consultancy and assisting their developers in writing Ruby code to resolve data ingestion issues.
- Supported and developed Xamarin.iOS app to enable transactions by end users while out in the field.
- Employed Python data analysis libraries for image recognition and forecasting method implementation.
- Developed a TensorFlow-based pipeline to build a machine learning model from sales data and deployed it on end-user mobile iOS devices

Rutherford & Associates • *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, enabling cleaner extraction of client data.

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.

Personal

Home Server • Managed and deployed Home Assistant using Proxmox and Kubernetes.	*April 2024*
Roguelike Development • Personal project in Rust for skill enhancement.	*January 2020 - March 2021*
Appalachian Trail Section Hikes • Hiked ~1,600 miles from ME to GA.	*August 2019 - December 2019*