Mokhtar Safir

Dynamic software engineer with advanced proficiency in C# and Python with a Focus on delivering clean, error-free code for scalable applications.

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Experience

Software Engineer.   Ville de Montréal December 2024 – Present

- Migrate legacy applications .NET Framework to newer version of .NET such as .NET6 and .NET8
- Setting up CI/CD deployment pipelines.
- Write requirements documentations.

Software Engineer.   Premier Tech May 2021 – December 2024

- Collaborated with other engineers to deliver an enterprise application built with C# .NET8.0, enabling users to select large language models (LLMs), upload documents, create personalized assistants, and share them seamlessly.

- Implemented a pub-sub solution using Azure Service Bus, enhancing system scalability and message-driven architecture

- Designed and implemented a C# .NET 8.0 solution leveraging Azure OpenAI services, saving an average of 15 hours per week by automating complex tasks.

- Performed comprehensive API testing to validate solution performance against defined non-functional requirements, including unit testing with XUnit and mocking using NSubstitute/Moq.

- Built and maintained RESTful services using .NET Core 3.1, .NET 6, and .NET 8, ensuring robust and scalable backend systems.

- Prepared scripts for automated deployments and deployed applications to the cloud, focusing on Azure environments using Terraform.

- Developed a Python-based command-line interface (CLI) to parse DTSX packages for SSIS projects, enabling database and entity data extraction, reducing development time by 50%.

- Enhanced security and user accessibility by integrating Single Sign-On (SSO) with OKTA in multiple applications built with ASP.NET Core and .NET Framework.

- Maintained and shipped production code for applications written in C# .NET Core 3.1, migrated from ASP.NET 4.5.2 to ASP.NET 4.7.1, and developed UI components using Angular.

- Developed an application automating data retrieval from external APIs, streamlining data processing and reducing manual intervention.

Freelance Software Developer Fiverr Mai 2016 – Present
- Designed and developed custom software solutions.
- Developed a chatbot powered by generative AI, enhancing user engagement and service automation.

Skills

Programming Languages

C#, Python, TypeScript, SQL

Frameworks
.NET, Flask, Angular, React

Tools & Platforms
Git, Azure Devops, GitHub, Docker, Terraform, VS, VSCode, Nuget, SSMS

Cloud Azure, AWS

Databases
MS SQL Server, PostgresSQL

API Management
Azure API Management, Layer7

Selected Projects

Azure OpenAi Integration
Developed a C# .NET8.0 Azure Functions-based solution enabling interaction with an Azure OpenAI instance to automate key enterprise architecture processes.

Education

University of Quebec in Montreal
Bachelor of Science (B.S.) Software Engineering