Shailendra Singh . Jarvis Consulting

I am a software developer absolutely fascinated by everything software and making otherwise dumb machines like computers do intelligent tasks. I have been programming for over 10 years and through that time I have gained experience with everything from Windows application development to web development and bots. I studied at Wilfrid Laurier University, for a Bachelor of Science in Computer Science and a Mathematics Minor. I have made many pieces of software not only for fun but, to also solve serious problems my peers and I face. While I am most experienced with C++, C# and the .NET tech stack, I know many other technologies and languages. I find learning new technologies and creating new projects with them, incredibly fun and rewarding. Not only this but, I'm also a natural learner so, I will never have any problems developing software for any language or tech stack asked of me.

Skills

Proficient: C#, C++, Java, Python, Win32 Application Development, WinForms and WinUI 3 Desktop Development

Competent: Agile/Scrum, Git, ASP.NET, HTML, CSS, XAML

Familiar: Bash, Powershell, Blazor WebAssembly, Android Development, Azure App Services, Google Cloud Platform

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_ShailendraSingh

Linux Cluster Monitoring Agent [GitHub]: Implemented a software solution to monitor a cluster of Linux machines and record their hardware specifications and performance statistics into a database. The solution is implemented by hosting a PostgreSQL database in a Docker container on one of the machines. Then all the machines have bash scripts installed that collect static hardware specifications at install time and performance statistics every minute through a cron job.

Core Java Apps [GitHub]: Not Started

Springboot App [GitHub]: Not Started

Python Data Analytics [GitHub]: Not Started

Hadoop [GitHub]: Not Started

Spark [GitHub]: Not Started

Cloud/DevOps [GitHub]: Not Started

Highlighted Projects

PhotoKeep [GitHub]: Developed an image-hosting Discord bot that allows users to upload photos/files and organize them with folders. This allows users to easily access their saved photos for free anywhere the bot is, through simple commands on the fly. The bot was developed using C#, is hosted through Azure App Services and hosts all of its data using Azure Cosmos DB (NoSQL). Users can also access their data through a website developed with ASP.NET MVC. PhotoKeep currently serves over 189 users and hosts 993 photos.

MineMaster [GitHub]: Created a remake of the classic Windows XP version of *Minesweeper*. The game was created with C#, used WinUI 3 for the desktop version and Blazor WebAssembly for the web version. The game's logic was implemented as a separate modular library that was published as a NuGet package. This allows developers to easily make their own Minesweeper versions, with their own UIs, on any platform that supports .NET (Windows, Linux, MacOS, etc). The desktop version of the app was previously published on the Microsoft Store and had over 12,592 downloads.

Professional Experiences

Software Developer, Jarvis Consulting Group (2023-present): Learning about how to work in a professional environment to develop software and work in a team. Everyday, we work within an Agile/Scrum framework to complete tickets on various topics such as Linux, Bash, SQL and more.

Mathematics Tutor, Self-employed (2019-2023): Helped students with Linear Algebra, Precalculus, Calculus and Discrete Mathematics. Guided various students by adapting teaching styles, to respond to individual needs and helps

students gain confidence in mathematics, despite rampant mathematics anxiety. Every student passed the courses they were being guided through, regardless of their mathematical ability beforehand.

Education

Wilfrid Laurier University (2019-2023), Honours Bachelor of Computer Science, Faculty of Science

Miscellaneous

- Recreational walking, cycling and swimming (Recently cycled from Brampton to Toronto in one go!)
- PC Gaming (MechWarrior, World of Warcraft, etc)
- Reverse Engineering using Ghidra, IDA Free and x32dbg
- Reading and learning about various topics such as mathematics, history and more