Gobindpreet Makkar

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EXPERIENCE

Persistent Systems, Remote — Senior Software Engineer

August 2024 - PRESENT

- Led development of RESTful APIs in .NET Core 8 for a microservices application, reducing response times by 30% through optimization techniques.
- Contributed to the evolution of the company's products towards a cloud-native, scalable, and efficient microservices architecture using Azure for deployment and GitHub Actions for CI/CD on VMware infrastructure
- Enhanced database performance and functionality through complex SQL queries and stored procedures.
- Ensured product reliability by implementing and maintaining unit and automated tests within stable CI/CD pipelines.

Infovista, Gatineau, QC— Software Engineer

Jan 2022 - July 2024

- Optimized software by identifying performance bottlenecks, achieving 2x to 20x improvements with advanced algorithms and data structures.
- Worked on the transition from .NET Framework to .NET Core, ensuring a seamless migration and preserving application functionality.
- Resolved critical bugs and introduced new features to desktop applications using WPF, improving user experience and application stability.
- Integrated and updated third-party libraries to address security vulnerabilities and maintain compatibility.

EDUCATION

Algonquin College, Ottawa, ON — *Computer Engineering Technology*

Jan 2019 - December 2021   GPA – 3.98/4.0

ADDITIONAL INFORMATION

Hobbies & Interests: Soccer, video games, reading, guitar, quantum computing, machine learning

SKILLS

DevOps & Cloud: Docker, Kubernetes, Azure, Github Actions

Languages: C#, Java, C++, Python, Javascript

Databases: PostgreSQL, MySQL, MongoDB

Web/Mobile Dev: React JS, Flutter and ReactNative

Machine Learning Basics: Algorithms, Tensorflow, Langchain, LLMs, RAG, Data analysis

Tools: Git/GitHub, Visual Studio, Jetbrains, Scripts

OS: Windows, Linux, WSL

PROJECTS

Webslayer — *Python*

Developed an intelligent web scraper leveraging AI agents to enhance the quality and accuracy of data extraction.

Technologies Used: Ollama, Langchain.

Key Contributions: Implemented AI algorithms to reduce hallucinations and improve result precision, optimized the scraper to handle diverse web data formats and structures.

Who's My Guy —VS Code Extension

Developed a VS Code extension to showcase enhanced Git history for each selected line.

Technologies Used: TypeScript.

Key Contributions: Created a mechanism to aggregate line-by-line Git history, optimized for seamless workflow integration, and improved the user interface for easy access to authorship data.