Gobindpreet Makkar

Victoria, BC, Canada | gobindpreet9@gmail.com | gmakkar.ca | linkedin.com/in/Gobindpreet | github.com/Gobindpreet9

Experience

Senior Software Engineer | Persistent Systems | Remote
August 2024 – Present

- Served as Scrum Master, facilitating agile ceremonies and removing impediments to ensure the team consistently met sprint goals and project deadlines.
- Spearheaded the product's transition from a B2B to a SaaS model by delivering the critical functionality required for a successful day-one launch.
- Optimized data flow efficiency by 50%, reducing data import processing time by 30 minutes, by managing robust import/export processes that ensured 100% data validation and integrity.
- Re-architected the PostgreSQL database schema and optimized crucial SQL queries and stored procedures, achieving a 70% improvement in data retrieval speeds for key application dashboards.
- Facilitated seamless data exchange between microservices and a modern React/Redux UI by developing and consuming RESTful APIs.
- Streamlined the deployment pipeline by contributing to a cloud-native architecture on Azure, utilizing GitHub Actions for CI/CD, and configuring critical data-related containers like keycloak, opa, grafana, prometheus.

Software Engineer | Infovista | Gatineau, QC
January 2022 – July 2024

- Improved software performance by 2x-20x through targeted optimizations and a successful migration of the application from .NET Framework to .NET Core.
- Resolved over 25 critical, customer-impacting bugs and implemented 18+ new features for both WPF desktop applications and RESTful APIs, significantly improving software stability and functionality.
- Streamlined deployment and scaling operations by managing Docker containers and their lifecycle within a Kubernetes environment.
- Proactively managed and updated third-party libraries, promptly addressing security vulnerabilities (CVEs) to ensure system robustness and compliance.

Skills

- **DevOps & Cloud:** Docker, Kubernetes, Azure, GitHub Actions, CI/CD, Helm
- **Languages:** C#, Python, Java, TypeScript, JavaScript
- **Databases:** PostgreSQL, MongoDB, Microsoft SQL Server, PL/SQL

- **Web & Mobile:** React, Next.js, Redux, .NET, RESTful APIs, Flutter, WPF
- **AI & Machine Learning:** Langchain, LLMs, RAG, Google ADK, Hugging Face, n8n
- **Tools & OS:** Git, GitHub, Visual Studio, Cursor, Claude Code, Windows, Linux (WSL)
- **Other:** ROS2, STM32, Raspberry Pi

Projects

[Webslayer](#) - Intelligent Web Scraper | *Python, Langchain, Ollama*

- Developed an intelligent web scraper leveraging AI agents to enhance the quality and accuracy of data extraction.
- Implemented advanced AI algorithms to significantly reduce hallucinations and improve the precision of scraped results from diverse and complex web structures.

[Who's My Guy](#) - VS Code Extension | *TypeScript*

- Created a VS Code extension that enhances the built-in Git lens by providing a more detailed and aggregated line-by-line Git history.
- Optimized the extension for performance to ensure seamless integration into the developer workflow without causing editor latency.

Education

Computer Engineering Technology | Algonquin College, Ottawa, ON
Jan 2019 – Dec 2021 | GPA: 3.98/4.0

Computer Science (Part-time) | University of Victoria, Victoria, BC
Jan 2025 – Sept 2025 | Advanced coursework completed while working full-time | GPA: 9.0/9.0

Additional Information

Hobbies: Soccer, books, guitar, hiking, AI, blogging