Karim Gheriani

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🎓 EDUCATION

BASc in Software Engineering (COOP), *University of Ottawa*   09/2020 – 12/2024 │ Ottawa, Canada
  - cGPA: 3.9/4.0

💼 PROFESSIONAL EXPERIENCE

Immigration and Refugee Board of Canada, *Full-Time Software Developer*   02/2025 – Current │ Ottawa, Canada
  - Developed and maintained **dynamic web applications** using **Angular** and **TypeScript**, ensuring responsiveness and interactivity, while optimizing **C#** and **SQL** back-end services to improve system reliability and data handling.
  - Developed **REST API endpoints**, enabling secure data transfer and achieving a **25% boost in performance**.
  - Reduced load times by **70%** through query optimization and legacy code cleanup, enhancing system efficiency.

DistillerSR, *Full-Stack Software developer*   05/2023 – 09/2023, 05/2024 – 09/2024 │ Ottawa, Canada
  - Developed **front-end features** for a literature review software using **React + TypeScript** for a vast user base globally.
  - Improved code quality with **Jest** for React and resolved **12+ customer-reported issues**.
  - Optimized front-end performance, achieving a **75% reduction in upload times**.
  - Designed and implemented **back-end features** using **Laravel PHP**, improving server response times by **35%**.
  - Integrated **PHPUnit** for automated testing, ensuring reliable code quality.
  - Pre-processed text data, sent it to an **LLM endpoint**, and post-processed results for seamless integration.
  - Created and optimized **API endpoints**, enhancing data retrieval and performance.

Telepin Software, *Software Developer*   09/2022 – 12/2022 │ Ottawa, Canada
  - Enhanced functionality for a financial mobile app using **Angular14** and **Spring Boot**, benefiting thousands of users.
  - Maintained high code standards by using **testing procedures** such as using **Karma** and **Jasmine**.
  - Identified and resolved **8 critical bugs**, enhancing overall user experience and app reliability.

Transport Canada, *Validation Analyst*   01/2022 – 08/2022 │ Ottawa, Ontario
  - Collaborated with the Transportation of Dangerous Goods team, validating extensive accident data utilizing Microsoft Excel, SAS EG and **Python**.

📁 PROJECTS

SyllabusSync (AI Powered Calendar) ⧉   09/2024 – 12/2024
  - Collaborated in an **Agile team** to build an **AI-powered calendar** that **auto-generates events** from uploaded syllabi, helping students plan assignments, exams, and deadlines.
  - Leveraged **OpenAI API** to interpret syllabus data, dynamically **adjusting schedules** based on student **preferences.**
  - Built with **React**, **TypeScript**, **Node.js**, **Firebase**, and **Google Calendar** for seamless scheduling and productivity.

MarketHub ⧉
  - Designed and developed a marketplace platform enabling users to register, manage products, and perform transactions with role-based access using Supabase authentication.
  - Built with **ASP.NET Core, Angular**, **PostgreSQL**, and **Entity Framework Core**

Catch the Mouse Game ⧉
  - Created a game with the purpose of catching the mouse. Built using **Java Object Oriented Programming** and GUI's

🧠 SKILLS

Programming Languages: — C#, Java, Javascript, Typescript, Python, PHP

Web Development & Frameworks: — React, Angular14, Spring Boot, PHP Laravel, .NET Core, Html5, Css3, REST API'S

Tools — JIRA, Confluence, BitBucket, Git, CI/CD, Docker, Kubernetes, Entity Framwork, JUnit, Maven, Gradle

Databases — MySQL, PostgreSQL, Firebase