






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 – 01/2023 | 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 – 05/2022 | 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