





Karim Gheriani

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EDUCATION

- Master of Interdisciplinary Artificial Intelligence**, *University of Ottawa* 05/2025 – 12/2026 | Ottawa, Canada
- Part time
- 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 a **document generation system** with Angular, TypeScript, .NET (C#), and SQL, reducing template errors by **40%** and improving reliability across **100+** templates.
- Optimized database queries and refactored legacy code, **cutting load times by up to 30%** and boosting API performance by **25%**.
- Designed and implemented **REST API endpoints** ensuring secure, scalable data transfer across services.
- Drove Agile delivery by contributing to **sprint planning, daily stand-ups, and backlog refinement**, ensuring consistent on-time feature releases.
- **Mentored co-op students** and led Git/Azure DevOps best practices, strengthening team efficiency and commit quality.
- DistillerSR**, *Software developer Co-op* 05/2023 – 08/2023, 05/2024 – 08/2024 | Ottawa, Canada
- Developed **front-end features** for global literature review software using React + TypeScript, improving usability and achieving a **15% reduction in upload times**.
- Designed and implemented **back-end features** with Laravel PHP, improving server response times by 20%, and built **RESTful APIs** to enhance data retrieval and scalability.
- Integrated **PHPUnit automated tests** and enforced Git branch strategies, increasing release stability and reducing production defects by **10%**.
- **Contributed to the AI Answer Suggestions feature** by integrating React and Laravel components with LLM endpoints, improving questionnaire workflows.
- Acted as **Scrum Master** driving Agile ceremonies, resolving 6+ customer-reported issues, and aligning deliverables with client expectations.
- Telepin Software**, *Software Developer Co-op* 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 Co-op* 01/2022 – 04/2022 | 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.
- 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**

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, Azure DevOps, Confluence, BitBucket, Git, CI/CD, Docker, Kubernetes, Entity Framework, JUnit

Databases — MySQL, PostgreSQL, Firebase