

YOUSSEF MAJIDI

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SKILLS & ABILITIES

Full-stack developer with expertise in building multi-agent AI systems and modern web applications. Proficient in Python and LangChain for developing and orchestrating intelligent agent workflows with comprehensive observability and distributed tracing. Experienced in Ruby on Rails for backend development and system architecture. Skilled in frontend development using React and TypeScript to create responsive, intuitive user interfaces. Strong background in AI/ML integration, agent orchestration, and system migration projects. Proficient in version control, modern development workflows, and cloud-based deployment. Strong problem-solving skills and a passion for continuous learning, focused on building efficient, scalable, and secure applications that leverage cutting-edge AI technologies.

EXPERIENCE

Codalio Inc.

FULL-STACK DEVELOPER | JUNE 2025 – PRESENT

- Played a dual role as Full-stack Developer and Implementation Support, driving the core "Product DNA" platform from founder vision to production deployment.
- Architected and deployed a sophisticated multi-agent AI system for generating structured project documentation and production-ready code, implementing complex agentic workflows for parallel processing and intelligent orchestration.
- Provided critical technical guidance and implementation support to non-technical founders, translating high-level vision into precise, machine-readable technical scope to prevent scope creep and ensure execution alignment.
- Led system migration from legacy Ruby on Rails to a modern Python-based service, focusing on enhanced agent communication patterns, improved context management, and structured tool calling.
- Implemented comprehensive observability, distributed tracing, and automated evaluation for agent performance, and built responsive React/TypeScript frontend components for real-time AI system interaction.

Seneca Polytechnic

FULL-STACK DEVELOPER | MAY 2023 – SEPTEMBER 2024

- Developed MyTutor, an AI-powered personalized tutor, leveraging Azure AI and Azure Search.
 - Built and maintained the student-facing Chat App (React/frontend, Flask/backend) and the Admin App for instructors, focusing on course management and student conversation monitoring.
 - Engineered custom backend modules to streamline data linking between Azure Blob Storage and Azure Table Storage.
 - Integrated Microsoft Authentication Library (MSAL) for secure authentication and utilized Azure services for application scalability and security.
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EDUCATION

Seneca Polytechnic

TORONTO, ON | BS IN SOFTWARE DEVELOPMENT | CLASS OF 2024

Graduated with a 3.9 GPA, completing comprehensive coursework in web development, database management, and software engineering. Led collaborative development of a pandemic simulation game using the Unity game engine, demonstrating strong technical skills, project management, and effective teamwork in delivering complex software solutions.

George brown college

TORONTO, ON | BS IN CONSTRUCTION MANAGEMENT | CLASS OF 2017

Achieved academic excellence, ranking 3rd in the "Most Accurate" category of a province-wide tender mockup competition and earning placement on the President's Honour List for 8 consecutive semesters, demonstrating strong analytical skills and attention to detail.