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PROFILE

AI Developer with hands-on experience building and deploying AI services and agentic solutions using Python, Docker, and cloud platforms (AWS, Azure). Microsoft Certified: Azure AI Apps and Agents Developer Associate (AI-103). Skilled in conversational AI, RAG architectures, backend API development, and automation, with additional experience building web applications using .NET and SQL-based architectures.

EXPERIENCE

GRESCOCE

January 2025 – Present

AI Developer

- Developed voicebots with Python, AWS Bedrock, and Amazon Polly to automate outbound calls and debt collection, using FastAPI for API management and service orchestration.
- Built RAG-based chatbots with n8n, WhatsApp API, and AWS Bedrock, using embedding models and Supabase vector databases to automate and scale customer service workflows.
- Built an audio analysis pipeline that transcribes calls with local models and analyzes them with an AWS-hosted LLM, served through FastAPI.
- Deployed a local AI model with FastAPI, Docker, and PostgreSQL to automate processes involving sensitive data in a controlled environment.
- Containerized and deployed Python bots, APIs, and web applications with Docker on AWS ECS and VPS environments, using GitHub Actions CI/CD pipelines to automate integration and production releases.
- Designed autonomous agents and custom skills with Claude Code and OpenCode to automate code reviews and documentation. Additionally developed full-stack applications with .NET, C#, MVC, and SQL Server.

PREVENT Laboratory / University of Toronto

October 2024 – Present

Research Member

- Responsible for the backend engineering and AI service orchestration of a medical web chatbot for diabetes prevention, leveraging FastAPI to design and scale the core system APIs
- Designed and implemented database solutions using PostgreSQL to support data storage, querying, and integration across developed systems.
- Contributed to the design and development of a health data extraction platform architecture to improve secure access to medical information.
- Provided technical advisory support for proposed and implemented solutions aimed at preventing the development of chronic diseases in the Canadian population.

Microsoft Learn Student Ambassadors

June 2024 – September 2025

Student Ambassador

- Developed AI-driven projects using Azure Functions and Azure AI services for image analysis, object detection, and workflow automation.

- Participated in the Microsoft Imagine Cup 2025, contributing to a project focused on the prevention of mosquito-borne diseases using Azure cloud services.
- Organized and delivered technical workshops and talks at universities to promote Azure applications across multiple domains, collaborating with international students and Microsoft staff.

TECH SKILLS

- **Programming Languages:** Python, C#, JavaScript, SQL.
- **AI & ML:** Agentic AI, Conversational AI, LLMs, scikit-learn, PyTorch, AWS Bedrock, Hugging Face, Claude Code, OpenCode, Gemini, Ollama.
- **Cloud & DevOps:** AWS, Microsoft Azure, Docker.
- **Backend & APIs:** FastAPI, REST APIs, Postman, Swagger.
- **Web Technologies:** HTML, CSS, .NET (MVC).
- **Automation & Platforms:** n8n, GitHub, Firebase, Supabase.

EDUCATION

Virtual University of the State of Guanajuato

November 2021 – September 2025

Computer Systems Engineering GPA: 96/100 (4.0)

SmartData (Professional Training Program)

October 2025 – January 2026

Specialization in AWS Solutions Architecture

National Autonomous University of Mexico (UNAM)

August 2015 - June 2019

Bachelor's degree in Physiotherapy GPA: 8.8/10 (3.5)

CERTIFICATIONS & TRAINING

- Microsoft Certified: Azure AI Apps and Agents Developer Associate (AI-103) - Microsoft
- Claude Code 101 – Anthropic
- Introduction to Model Context Protocol – Anthropic
- Model Context Protocol: Advanced Topics - Anthropic
- Introduction to Deep Learning with PyTorch - Datacamp
- Generative AI Certificate – Microsoft & LinkedIn Learning
- Software Development Certificate – Microsoft & LinkedIn Learning
- Azure Fundamentals (AZ-900) – Microsoft
- TOEFL iBT: 93/120

LANGUAGES

- **Spanish:** Native
- **English:** Advanced (Professional working proficiency).

EXTRACURRICULAR ACTIVITIES

International Student Week in Timisoara, Romania (ISWinT)

July 2024

Participant

International Student Festival in Trondheim, Norway (ISFiT)

February 2023

Participant

AIESEC in Leon

December 2021 – July 2022

Director of Outgoing Global Volunteering