Ara Ghahramanyan

Software Developer | Full Stack and Backend | Internship Starting January 2027

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LinkedIn linkedin.com/in/ara-ghahramanyan • **GitHub** github.com/AraGhah • **Portfolio** araghah.com

PROFILE

Third-year Computer Science Technology student and full stack developer. Hands-on experience in REST API design, modular architectures, asynchronous processing, and cloud services. Founder and developer of TradeCatch, a SaaS startup combining a reliable backend, automation, and web interfaces.

PROFESSIONAL EXPERIENCE

Founder and Full Stack Developer | TradeCatch (SaaS startup) | tradecatch.ca *Aug. 2026 to Present*

TypeScript, React, Next.js, Python, PostgreSQL, Cloudflare Workers, GitHub Actions, API REST

- Designed a modular SaaS architecture with separate frontend, API, business service, and persistence layers, applying SOLID principles and dependency injection.
- Developed event-driven systems and asynchronous workflows with webhooks, PostgreSQL transactions, idempotency, and the Transactional Outbox pattern to ensure reliable processing.
- Integrated large language models (LLMs) and orchestrated conversational agents with structured response validation, deterministic business rules, and fallback mechanisms.

SOFTWARE PROJECTS

SentinelOps | Incident Management Platform *Personal Project, 2026*

C#, ASP.NET Core (.NET 8), AWS Lambda, EventBridge, SQS, DynamoDB, PostgreSQL

- Designed a distributed, event-driven architecture with ASP.NET Core, AWS Lambda, SQS, and EventBridge for asynchronous alert processing.
- Implemented concurrent deduplication, idempotent processing, and atomic DynamoDB operations to ensure data consistency.
- Developed secure REST APIs with JWT authentication, RBAC authorization, and cloud infrastructure automated with AWS CDK.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, C#, Python, Java, SQL, Kotlin, Rust
Backend	ASP.NET Core (.NET), Node.js, Express, API REST, webhooks
Frontend	React, Next.js, HTML, CSS, Tailwind CSS
Databases	PostgreSQL, DynamoDB, MongoDB, MySQL, Oracle (PL/SQL)
Cloud and DevOps	AWS (Lambda, SQS, EventBridge), Cloudflare Workers, Docker, GitHub Actions, CI/CD
Architecture	SOLID, dependency injection, OOP, automated testing, Agile, Scrum
AI and Automation	LLM APIs, conversational agents, response validation, workflows
Spoken Languages	French and English (fluent), Armenian and Russian (native languages)

EDUCATION

DEC in Computer Science Technology | Collège de Bois-de-Boulogne, Montréal *2024 to Present*

Anthropic Academy (in progress) : Claude with Amazon Bedrock *2026*

ADDITIONAL EXPERIENCE

Sales Associate | Globo Chaussures, Montréal *Sept. 2026 to Present*

Customer service, sales, and bilingual communication (FR/EN)

Volunteer Activity Leader | SCAMA Community Centre, Montréal *Summers 2024 and 2025*

Leadership, activity planning, and teamwork