# LUCAS PUN

**Software Developer | Full-Stack · AI Applications · AWS**

Toronto, ON · amztb12602@gmail.com · linkedin.com/in/silva-pun-a76871b4 · github.com/ney123123 · ney123123.github.io

## SUMMARY

Software developer with hands-on experience building and shipping production applications across web, AI, cloud, and iOS. Co-founded and developed user-facing software products in a small engineering team, with experience in TypeScript, React, Swift, AWS, real-time AI systems, and CI/CD. AWS Certified Developer – Associate.

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Swift, Python
**Frontend & Mobile:** React, Next.js, SwiftUI, UIKit, Zustand
**Backend & Cloud:** Node.js, REST APIs, AWS Lambda, DynamoDB, Step Functions, S3, CloudFront, API Gateway, IAM, STS
**AI:** OpenAI, Gemini, ElevenLabs, LLM Tool Calling, Structured Outputs, Voice AI
**Developer Tools:** Git, GitHub Actions, Docker, CI/CD, Vitest, XCTest

## SOFTWARE EXPERIENCE

### Co-Founder & Software Developer

**Independent Software Products** | Toronto, ON | 2025–2026

**Boog — Native iOS Dance Practice App** · App Store · Case Study

*Co-founder, September 2025 – June 2026*

- Native iOS dance-practice application where users record or import video, then review and practice dance content; released on the App Store.

**ZeroPoint — Voice AI Dance Tutor** · Case Study

*React · TypeScript · Zustand · ElevenLabs · Gemini · AWS*

- Co-developed a browser-based voice AI dance tutor that completed approximately **100 testing sessions**, coordinating real-time AI coaching, instructional video, and interactive lesson flows.
- Built a controller-mediated state architecture synchronizing WebRTC voice, video playback, and UI transitions, with an LLM tool-calling layer where deterministic TypeScript enforced lesson state and transition rules.
- Developed a serverless telemetry pipeline using **API Gateway, Lambda, and S3** for remote session debugging, and contributed to CI/CD deploying development and production builds to **S3/CloudFront via GitHub Actions and AWS OIDC**.

## SELECTED PROJECT

**Clovor — AI Interview & Career Platform** · Case Study

*Next.js · TypeScript · AWS · DynamoDB · Lambda · Step Functions · OpenAI*

- Built and deployed a full-stack AI interview platform featuring real-time voice interviews, personalized question generation, asynchronous feedback analysis, and AI-assisted career tools.
- Designed an asynchronous analysis pipeline using **AWS Step Functions and Lambda**, parallelizing interview-answer processing with retry and fallback handling.
- Implemented multi-tenant DynamoDB isolation using **AWS STS session tags and IAM `LeadingKeys`**, with Clerk authentication and server-side identity enforcement; built Docker/GitHub Actions CI/CD with OIDC-based AWS authentication and **348 automated tests**.

## EDUCATION

**Seneca Polytechnic** — Toronto, ON
**Computer Programming Diploma** | December 2022

## CERTIFICATION

**AWS Certified Developer – Associate** | Amazon Web Services | 2026