

# Namashi Sivaram

[GitHub](#) | [Linkedin](#) | [Website](#)

Windsor, ON N9E4R7  
(519) 991-7749  
nsivaram@uwo.ca

## SKILLS

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<b>Languages</b>	Javascript (Typescript), Python, Java, C, C++, R, MATLAB, HTML/CSS, Swift
<b>Frameworks /Tech</b>	NodeJS, ReactJS, NoSQL, Gulp, Swift UI, Bootstrap, Kafka, SpringBoot, GPIO & SPI Protocol, Kubernetes, AWS

## EXPERIENCE

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### Canada Life – Software Architect Engineer

Toronto, ON

Sept 2023 - Dec 2024

- Designed a federated production state architecture for an Azure OpenAI chatbot utilising RAG pattern.
- Implemented Kafka error handling patterns using retry routing and redirect caching for data reliability.
- Built AWS Serverless POC, setting best practices for event-driven architectures with IaC and GitLab CI/CD.
- Standardized microservice creation patterns to accelerate and streamline developer production cycles.

### EIGEN Fitness – Fullstack Developer Intern

Vancouver, BC

May 2022 - Aug 2022

- Implemented ‘Teams’ customer grouping feature for user segmentation and subscription management.
- Optimized schema with subsetting and one-to-many data patterns, boosting ‘Teams’ entity read speed.

## PROJECTS

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### Pokémon Red Remake

Java

Java project including all original 151 Pokémon and features of the original Pokémon Red version

- Implemented robust Battle framework to abstract possible user decisions with rendered sprite UI.
- Designed for extendibility, allowing new objects (Pokemon, Foes) to be added via text metadata.

### Spotify Audioscape App

Swift

Social IOS App employing Geocaching to consolidate other nearby Spotify user's music into a playlist

- Built with The Composable Architecture for redux based efficient handling of actions and side-effects
- Used Google Cloud Functions for event-driven database logic with Firebase, Spotify API, and OAuth2.0.

### HOSA Isometric Handgrip

Python

Handgrip utilising ADC and pressure-based input for platformer game; HOSA 2019 1st place

- Built handgrip for communication with a Raspberry Pi running a Python Pygame platformer via GPIO and SPI.

### NoteGenius RAG AWS App

Node,  
Python

Web app for class notes, providing AI insights using RAG to aid in studying and exam prep

- Built AWS serverless solution for document uploads and RAG-enhanced LLM queries on class notes.

## EDUCATION

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### Western University, London, ON

BSc, Honours Computer Science

Sept 2019 - Current | **GPA 3.9**