

# Zed Ikejiani

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## EXPERIENCE

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### Software Developer Intern

Feb 2026 - Apr 2026

*Riipen (Advance Ontario Program)*

*Toronto, ON*

- Built an AI real estate assistant with TypeScript and Next.js, using RAG to deliver insights based on 1.3M+ live property listings.
- Integrated live property listing data to power market reports for 52 cities and 300+ neighbourhoods across Ontario.

### Machine Learning Engineer Intern

May 2025 - Aug 2025

*RBC Borealis (Royal Bank of Canada)*

*Toronto, ON*

- Architected AI meeting platform (Python, Kubernetes, React, CI/CD) for 15+ teams, cutting documentation time by 40% with 100+ summaries/week.
- Built LLM query service over PostgreSQL/MariaDB, serving 1000+ weekly queries at sub-3.3s latency.
- Led cross-functional architecture reviews and knowledge transfers, delivering 5+ demos to 10 teams.
- Built Python Locust load-testing framework, boosting peak capacity 35% allowing for 3x user growth.

### Software Developer Intern

Sep 2024 - Apr 2025

*RBC Borealis (Royal Bank of Canada)*

*Toronto, ON*

- Built Format Preserving Encryption service (Java Spring Boot, Python) for secure cloud migration of RBC metadata.
- Productionized services with Docker, Kubernetes, and CI/CD, cutting deploy time 70% and enabling 8+ weekly releases across Dev/QA/Prod.
- Built event-driven Kafka pipelines with MariaDB and Flyway for high-throughput ingestion and automated schema evolution.
- Built data-protection REST APIs adopted by 11+ teams for analytics, AI training, and synthetic data
- Created documentation and did knowledge transfers for workflows, cutting onboarding by weeks.

## EDUCATION

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### York University

*Bachelor's Degree in Digital Media (Computational Arts)*

*Sep 2021 - May 2026*

### Sheridan College

*Diploma in Computer Programming*

*Jan 2020 - Jun 2021*

## PROJECTS

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### Insomnia [Game Link] | *Unity, C#*

- Led a 4-person team to build a Unity C# first-person game, architecting time-manipulation and physics systems and delivering a polished vertical slice presented to industry professionals.

### Freyr: Know Your Plants [App Store Link] | *React Native, Expo, TypeScript, Node.js*

- Shipped App Store iOS app using GPT-4o Vision + PlantNet for plant identification, and health.
- Developed a Fastify + PostgreSQL backend with JWT auth, scan history, care logs, and subscription system, achieving early paid user conversion of 20% during initial launch.

### Model Kit Catalogue [Live Site Link] | *React, TypeScript, Node.js, Express.js, MongoDB, JWT,*

- Built a full-stack React catalog app with rich product pages and search for 75+ monthly active users, plus Google OAuth + JWT persistent sessions and a Node/Express REST API backed by MongoDB.

### Advanced Graphics & Simulation Systems [Examples Link] | *Unreal Engine, HLSL, C++,*

- Built GPU-driven visual effects in Unreal Engine using compute shaders and procedural meshes, including butterfly flocking, noise-based snow and webbing, foliage wind, and dynamic cable/chain physics.

## TECHNICAL SKILLS

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**Languages:** Python, TypeScript, JavaScript, Java, C#, C++, HLSL, SQL, Bash

**Cloud & DevOps:** Kubernetes, Docker, AWS S3, GCP, Git, Flyway, Expo, OCP

**Databases & Data:** PostgreSQL, MariaDB, MongoDB, Kafka, Data Pipeline

**Frameworks & Libraries:** React, Node.js, FastMCP, Spring Boot, Unity, Unreal Engine, Bootstrap, FastAPI