

SHEEHAN LLOYD

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Education

University of Waterloo

2025 – 2030

Bachelor of Software Engineering (BSE)

Experience

Sheehan's Digital Solvations

Feb 2024 – Present

Founder & Lead Developer

Toronto, ON

- Founded and scaled a startup developing **websites and full-stack applications** that drive business growth.
- Delivered 30+ projects, integrating **AI-driven solutions** to optimize client operations and decision-making.
- Led developers in **DevOps pipelines, containerized deployments**, and scalable architecture.
- Designed systems integrating **databases, REST APIs, and cloud infrastructure**.
- Implemented **CI/CD pipelines** and **automated testing workflows** for rapid, reliable deployment.

Nexus Wave Inc.

June 2024 – Aug 2024

Junior Software Developer

Markham, ON

- Led development of an **AI-powered IVR platform** deployed in banks across Canada.
- Programmed telephony workflows in **C** and **Lua**, integrating with **FreeSWITCH** and a **MySQL** backend.
- Optimized performance and reliability in a **Debian 12 Linux** environment.

Sun IT Solutions

June 2021 – July 2025

Junior Software Developer

Toronto, ON

- Developed **web and mobile applications** using **HTML, CSS, JavaScript**, and back-end tools.
- Created **automation scripts** improving system efficiency and reliability.
- Provisioned and monitored **Azure** resources and assisted with **virtualization** and **SharePoint**.
- Resolved client issues via efficient **troubleshooting** and **system-level debugging**.
- Supported **server patching** and **security optimization** in enterprise IT environments.

Professional Certifications

AWS Certified Solutions Architect – Associate

Issued Jan 2026

Amazon

Microsoft Certified: Azure Data Scientist Associate

Issued Jan 2026

Microsoft

Java SE 8 Programmer I

Issued Jan 2025

Oracle

CompTIA Linux+

Issued Jul 2025

CompTIA

Microsoft Certified: Azure AI Engineer Associate

Issued Jul 2024

Microsoft

PCAP – Certified Associate Python Programmer

Issued Jul 2024

Python Institute

Projects

Elite Jump Performance

2025

ejpcanada.com | prod.ejpcanada.com

Built a proprietary end-to-end **gym management system** for scheduling, payments, and video delivery with integrated **codec optimization**; created workflow automation and a **Debian 12, PHP 8, PostgreSQL, React** platform.

UW Lost & Found App

2025

uwlostandfound.ca

Built a production-ready system using **React, Flask (Python 3.12)**, and **SQLite**; deployed via **Docker** on **Ubuntu Linux** with secure user authentication.

Languages & Proficiencies

Languages: Python, Java, C, C++, JavaScript, PHP, SQL, Lua, Arduino, HTML/CSS

Databases: MySQL, PostgreSQL, SQL Server, SQLite

Cloud & Platforms: Microsoft Azure, Amazon Web Services (AWS), Linux (Ubuntu/Debian), Windows Server 2019/2024

Tools: GitHub, Bash, Emacs, Vi, SharePoint Server, Virtualization Systems, JAX, PyTorch, NumPy, SciPy

Domains: DevOps, Linux Administration, Network Security, AI Integration, Full Stack Development, Data Science