

# Aahash Srikumar

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## Education

### University Of Western Ontario

Bachelor's Degree in Engineering Science, Software Engineering (BESc)

London, ON

September 2021 – June 2025

## Work Experience

### NinePoint Partners

May 2025 – Present

Software Developer

Toronto, Ontario

- Maintained and upgraded a large-scale **.NET Framework** application supporting **2000+ financial advisors**, delivering secure and stable full-stack features using **C#, JavaScript, Bootstrap**, and **jQuery**.
- Debugged and resolved production issues across backend APIs and frontend components, improving system reliability and reducing user-reported defects.
- Designed, tested, and deployed RESTful APIs using **C#** and **JavaScript**, enhancing workflow performance and increasing advisor engagement by **2–3%**.
- Modernized legacy components and optimized **Azure** cloud deployments, improving load performance and ensuring long-term platform stability.
- Integrated enterprise tools such as **Marketo** and **Umbraco**, automating data flows and increased lead capture by **5%**.
- Enhanced CI/CD using **Git** and **Jenkins**, automated build and deployment steps and improved time efficiency by **9%**.

### University Of Western Ontario

September 2024 – April 2025

Software Developer

London, Ontario

- Collaborated with interdisciplinary teams to build VR rehabilitation systems, applying software engineering, hardware integration, and SRE-style troubleshooting across research environments.
- Developed and maintained a VR physiotherapy application using **Unity**, **C#**, and **Oculus SDK**, ensuring stable runtime performance for injury-specific exercise modules.
- Integrated motion-sensor inputs and refined real-time gameplay mechanics with health researchers, boosting patient adherence by **30%** and engagement by **25%**.
- Engineered an IoT data pipeline using **ESP8266** microcontrollers and **MQTT**, enabling reliable low-latency transmission of sensor data to an **Android** companion application.

### LA Fitness

May 2023 – September 2023

Director Of Membership Sales - Fitness Application | **Mustang Central** | **MERN**, **OpenAI**

Toronto, Ontario

- Built a full-stack **MERN** application to deliver personalized workout recommendations and streamline client support.
- Implemented a live data layer using **MongoDB** and **Heroku**, enabling secure and scalable storage of user metrics.
- Integrated **OpenAI** to generate dynamic workout plans and enhance long-term user engagement.
- Deployed the platform to **iOS** and **Android** via **WebView**, ensuring consistent cross-platform performance and UI responsiveness.

## Projects

Mutliplayer Game Application | **BlackJack** | **C++**, **Python**, **Virtual Box**, **Docker**, **Kubernetes**, **Linux**

November 2024

- Developed a multiplayer Blackjack game in **C++** that facilitates dynamic interactions between multiple users and the server, simulating real-time gameplay across various mini blackjack rooms.
- Implemented **Python** to process client actions and manage server interactions for operations like call, hit, or stand.
- Utilized **VirtualBox** to create virtual machines that run multiple isolated instances of the application on the server.

Game & Localization System Application: **Tiny Tanks Maze Runner** | **C#**, **Unity**

January 2024

- Designed and implemented advanced game features, including health regeneration, teleportation power-ups, and leaderboard integration with real-time round statistics and UI responsive elements using **C#**.
- Refactored core game systems for efficient round management and dynamic score updates, and created scenes with beautiful transitions between gameplay, the leaderboard, and start screens, integrating **Unity**.

Health & Wellness Application | **Level Up** | **Python**, **SQL**, **MySQL**, **Django**

September 2023

- Developed a full-stack Health & Wellness application offering various body metric calculations and goal-setting.
- Implemented **Python** to coordinate functionalities between **Django** and **SQL**, improving performance by **30%**.
- Utilized **SQL** to store and manage user data in **MySQL**, efficiently handling **over 75 user records**.

## Skills

**Languages:** Python, Java, C#, JavaScript, SQL, C++, Swift, HTML, CSS

**Technologies/Frameworks:** AWS, Azure, Angular, NodeJS, React, Django, PostgreSQL, Docker, Kubernetes, MongoDB

**Version Control & CI/CD Tool & Protocols:** Git, HTTP, MQTT, SOAP

**Methodologies:** Agile/Scrum