

Roshan Nanthapalan

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SUMMARY OF SKILLS

Languages: C#, Java, JavaScript, TypeScript, HTML/CSS, C++

Frameworks & Platforms: .NET 10, Blazor, Angular, React, Node.js, Spring Boot, Android, Unity

Databases & Cloud: MySQL, Firebase, AWS, GCP, Azure

DevOps & Tools: Git, Bitbucket, Jenkins, Docker, Kubernetes, Jira, DBeaver, Figma

EDUCATION

University of Western Ontario - London, ON

2019 - 2023

Major: Software Engineering, Bachelor of Engineering Science (B.E.Sc.) – GPA: 3.9/4.0

- Graduated with Distinction; Ivey Business School: Business for Engineers
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RELEVANT WORK EXPERIENCE

Full-Stack Engineering Team Lead, The TJX Companies - Mississauga, ON **May 2026 – Present**

- **Led and mentored** a team of 4 software engineers responsible for establishing best practices, defining clear acceptance criteria, and ensuring definition-of-done compliance to reduce delivery risk and accelerate progress during a critical PI.
- **Reviewed high-impact PRs and technical documents** by consistently providing deep, actionable feedback and 1-on-1 mentoring which strengthened code quality, accelerated team growth, and maintained engineering standards.
- Delivered a 45-minute training session to address front-end skill gaps across engineering teams, teaching high-impact **Blazor techniques, debugging workflows, CSS isolation habits, DevTools tricks**, and resolution-validation practices that significantly sped up UI development, reduced rework, and equipped engineers with fast, reliable methods to solve UI issues.

Full-Stack Engineer II, The TJX Companies - Mississauga, ON

Sept 2024 – May 2026

- **Co-architected and lead a major UI refactor project** after demonstrating strong front-end expertise and high-quality delivery while performing in-depth PR reviews, which improved engineering standards and earned trust to handle complex and high-risk PRs.
- Improved backend APIs and services by eliminating inconsistencies, decoupling large services, implementing modern configuration patterns, and building a **Cosmos DB migration pipeline** using **Azure DevOps pipelines** to align schemas to increase readability, maintainability, speed to delivery and long-term platform stability across the system.
- **Led successful deployments** by creating IQ/OQ validation documents, collecting evidence, and coordinating release activities while collaborating with multiple teams to understand upcoming changes, identify potential risks, map pipeline execution order, followed by providing hypercare and on-call support to ensure stable rollout and rapid issue resolution.
- Contributed to engineering-wide initiatives through the **Engineering Quality Guild** and **UI/UX Guild**, driving standardization, best practices, and shared technical alignment across the ART.

Full-Stack Engineer I, The TJX Companies - Mississauga, ON

Sept 2023 – Sept 2024

- Contributed to GSAS (Global Store Allocation System), TJX's enterprise-scale retail allocation platform built on **C#, .NET 10, Blazor Server, Cosmos DB, Azure Functions, Redis**, and **event-driven microservices**, while delivering front-end, back-end, and **Azure cloud** component enhancements within a multi-tenant, real-time system used globally for high-volume merchandise distribution.

- Refactored and stabilized core UI workflows using **Blazor, Telerik, and Razor components** to resolve complex, high-priority UI defects with speed and quality, which improved velocity, reduced spillover, and established a reputation as the **go-to engineer for front-end issues**.
- Identified a critical data-model flaw during an enhancement by analyzing Cosmos DB document structures and API behavior, then proactively flagged that new attributes would break existing documents, **preventing a major production issue** and earning recognition.

Cloud Engineer, TELUS Health - Toronto, ON

May 2022 – Aug 2022

- Designed, developed, and tested a unified management backplane (UMB) project for cloud migration and deployment platform, which is designed to automate migration of clinical data from legacy data centers into a cloud environment.
- Integrated mock **AWS SQS** to write and test SQS methods locally to accelerate the development of AWS SQS communication with cloud management and UMB backend.
- Demonstrated use of **TypeScript, Angular, PrimeNG, and Tailwind CSS** by designing, creating, and testing components, services, and routing guards to implement a login/logout feature that authenticates users through Okta and then updates user's information into profile.
- Illustrated use of **Java, Spring Boot, and MySQL** by creating and filtering API endpoints, implementing security, creating unit tests, managing JobRunr jobs, designing and creating DTOs, writing queries, and modifying **DB schemas** for the UMB backend and database.

Game Developer, ePlay Digital - Calgary, AB

May 2021 – Aug 2021

- Developed various projects on **Unity** to build new production release versions for apps such as Klocked, Howie Go Viral, Outbreak, Big Shot Swish on Google Play Store and App Store.
- Fixed major crash by using crash analysis tools, memory management analysis tools and quality code to reduce RAM memory usage by about 25% (410MB).
- Implemented anonymous login feature with **Firebase** to satisfy users request about security and improve app ratings.
- Individually designed the **architecture** and started the development of the Klocked app for **Android** using **Android Studio** with integrated **Unity library**.

EXTRA-CURRICULAR

Software Lead, Sunstang (Solar Car Project) - London, ON

April 2021 – April 2022

- Demonstrated **leadership** and **project management** by leading the Sunstang Software Team of about 30 engineering students to delivering a successful prototype of the **infotainment system** and **chase car telemetry system**.
- Collaborated with various leads and managers to work cross-functionally with engineering and marketing teams to define project scope and the schedule of deliverables.
- Using **SCRUM** and **SDLC** methodologies to ensure project teams are on schedule, teams have the resources to meet deadlines, and escalated roadblocks to project manager when necessary.