

Kalan D'Souza

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EDUCATION

B.Sc Honours in Computer Science - Trent University

Specialization in Software Engineering

Graduating April 2026

Peterborough, ON

EXPERIENCE

Software Developer Intern

June 2023 – Sep. 2023

Lorex Technology

Markham, ON

- Developed the UI of the KPI process within Lorex's cloud management system using **Angular**, **Node.js**, **TypeScript**, **HTML**, and **CSS**, transforming a manual email-based workflow into an automated platform for employees, managers, and HR, enhancing collaboration between departments to increase project velocity
 - Proactively gathered cross-departmental requirements by organizing meetings with stakeholders, ensuring the system aligned with the needs of employees, managers, and HR teams
 - Independently designed the front-end layout, sketching page structures and mapping user workflows for different roles to visualize interactions, approvals, and feedback processes
 - Led stakeholder review sessions to present design concepts, incorporated feedback, and secured final approvals, demonstrating initiative, strong communication, and adaptability
 - Developed a working demo showcasing the system's capability to streamline KPI submissions, the review process, and status tracking
- Automated key business processes using **Microsoft Forms**, **SharePoint**, and **Power Automate**, improving efficiency and communication across teams
 - Designed and implemented a resource request system, streamlining the request process and reducing response times by automating approval workflows
 - Developed an on/offboarding system that cut process time by **50%** and ensured seamless employee transitions
 - Created an information-sharing platform to foster communication between Lorex and parent company, Skywatch, centralizing product management and streamlining the evaluation of business opportunities

Product Management Intern

June 2022 – Sep. 2022

Lorex Technology

Markham, ON

- Conducted in-depth **UX testing** for Lorex and competitor products, executed mobile app test plans and provided actionable feedback, enhancing user experience for millions of users
- Created Excel catalogues for **25** Lorex products, enhancing specification accessibility and reducing product comparison time by **80%**
- Documented and presented feedback on packaging, design, unboxing, onboarding, and in-app experiences for product improvements using PowerPoint presentations

Software Programming Instructor

June 2024 – Sep. 2024

Code Ninjas

Markham, ON

- Led coding workshops** using Scratch and JavaScript, introducing fundamental programming concepts, including data structures, algorithms, and problem-solving techniques
- Debugged student projects, assessed progress, and provided personalized feedback to enhance coding skills, critical thinking, and technical confidence

TECHNICAL SKILLS

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

Tools/Frameworks: Angular, Git, Node.js, Express.js, Tailwind CSS

PROJECTS

Personal Website - kalandsouza.github.io/Portfolio

Summer 2024

- Developed a web portfolio using **HTML**, **CSS**, and **JavaScript** to showcase my experiences, projects, and personal interests

Web Shop - kalandsouza.github.io/Web-shop

Summer 2023

- Developed a full-stack web store using **Angular**, **TypeScript**, **Node.js**, **Express.js**, **HTML**, and **CSS**, with payment and shipping processing via Stripe and Fake Store API
- Implemented a responsive UI using Angular's Material Component and Tailwind CSS for a seamless shopping experience