

Shayan Syed

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Education

University of Waterloo

Bachelor of Honours Mathematics, Computer Science

Expected Graduation: Dec 2026

Relevant Coursework: Algorithmic Problem Solving, Data Types & Structures, Databases, Object-Oriented Software Development, Functional Programs, Algorithm Design & Data Abstraction, Tools & Techniques for Software Development

Experience

KKC Classroom

November 2025 – Present

Remote

Software Engineer | Next.js, TypeScript, Firebase, Stripe, Tailwind CSS, Figma

- Architected and shipped a production full-stack EdTech platform using Next.js and Firebase, enabling delivery of **3+** core launch features while maintaining scalable frontend-backend separation, extensibility, and supporting early customer onboarding.
- Designed and implemented the platform's subscription monetization system by integrating Stripe APIs with Firebase authentication and serverless functions, enabling secure recurring payments and customer-tier gating within a production-ready billing flow.
- Owned end-to-end UX design for the platform in Figma, translating **10+** user flows and wireframes into Tailwind-based components, reducing design-to-implementation iteration time and improving onboarding clarity across core product surfaces.

Ajniha Welfare Society

October 2025 – Present

Remote

Technical Lead | Squarespace, Stripe, HTML, CSS, Figma

- Led technical ownership of the organization's Squarespace platform, maintaining reliable donation flows and Stripe payment integrations supporting multiple active fundraising campaigns end to end.
- Audited and optimized donation UX and checkout flows across **5+** high-traffic pages, reducing user friction through clearer cause selection, improved information hierarchy, and streamlined layouts for mobile and desktop users during active campaigns.
- Redesigned key donation and campaign pages with a conversion-focused UX approach, improving donor engagement and increasing completed donation rates during active fundraising periods across multiple campaigns.

Shopify

January 2025 – April 2025

Toronto, ON

Software Engineering Intern | TypeScript, GraphQL, Ruby on Rails, MySQL, HTML, CSS

- Overhauled UI/UX across all B2B-facing Shopify routes, applying Shopify's design standards to improve clarity while addressing merchant pain points in managing localized pricing, multi-region catalogs, and interconnected workflows across complex surfaces.
- Refactored 20+ custom components, cutting bundle size by **14%** and improving average load time on customer-facing pages by **250ms**, while increasing code reusability and simplifying the codebase for long-term maintainability at scale.
- Leveraged the latest React Router features (loaders, title loaders, nested routes) and GraphQL queries to build a new customer-facing flow from scratch, focusing on long-term maintainability, scalability, and compatibility across Shopify.
- Reduced UI regressions by adding test coverage to **10+** critical flows, improving release stability during active development.
- Minimized deployment risk by shipping **5+** features behind flags, enabling safe rollout, testing, and iteration in production.

CellRox

May 2019 – August 2019

Milton, ON

Software Developer Intern | Python, SQLite

- Designed and optimized an internal SQLite database to track device repairs, inventory, and customer tickets, reducing query times by **40%** and speeding up access to diagnostic histories and repair records used by internal team.
- Wrote Python scripts to automate routine support tasks, resulting in a **30%** boost in service efficiency.

Projects

Fashion Frenzy Shop-Mini

- | TypeScript, React Native, HTML, CSS, Polaris, Zsh
- Built a TypeScript-based React Native extension for the Shop app that let users generate outfits on a virtual avatar, reusing **15+** customized Polaris components to ensure UI consistency and reduce development overhead by **30%**.
 - Implemented multi-screen navigation and state management with React Context + API integrations, supporting **500+** product catalog queries and renders during testing without crashes, while ensuring seamless data flow across all screens.
 - Built a social feed with real-time likes, comments, and product linking, enabling users to purchase full outfits with ease.
 - Reduced image generation time by **70%** by parallelizing asset rendering with FalAI, improving UX during selection.

Matches.IO

- | Python, SQL, HTML, CSS, JavaScript, Workbench, React, Zsh, Cohere API
- Built a full-stack job-matching platform using Cohere's semantic search API to match resumes with job postings, achieving **>95%** relevancy accuracy across **200+** test cases and eliminating keyword-based mismatches.
 - Designed and implemented a React frontend with dynamic filtering, pagination, and role-specific dashboards, tested with **50+** mock candidates to validate usability and ensure smooth UX across both technical and non-technical roles.
 - Developed a Flask backend to orchestrate Cohere API requests, authentication, and MySQL queries, handling **100+** simulated resume-job matches with sub-**500ms** response time and robust error handling during stress testing.

MealTime Web App

- | JavaScript, React, Express, HTML, CSS, Zsh, PowerShell
- Developed a React web app with an Express backend to help individuals with eating disorders maintain consistent eating habits by requiring users to upload images of meals to take care of a virtual pet.
 - Integrated LogMeal's computer-vision API to analyze nutritional content with **>98%** classification accuracy, adding calorie breakdowns, portion estimates, and streak tracking to gamify progress and strengthen dietary accountability.
 - Resolved ES6+ compatibility issues and optimized React state transitions, reducing countdown reset bugs by **80%** and ensuring smooth, consistent frontend updates across multiple browsers, devices, and screen resolutions.

Technical Skills

Languages: Python, TypeScript, SQL, GraphQL, GoLang, Ruby, Java, JavaScript, C, HTML/CSS, Racket, C++

Frameworks: React, Node.js, NestJS, Tailwind, Flask, Express.js, Polaris

Developer Tools: Git, Docker, Kubernetes, MySQL, Graphite, Linear, CircleCI, Firebase, Cursor, Unix, MongoDB

Concepts: Backend Development, Frontend Development, Fullstack Development, Software Engineering, Networking, Databases, Data Analysis, MVC, REST API, CI/CD, Microservices, Infrastructure Engineering, DevOps, Agile