# Abejith Pratheepan

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## Education

**University of Toronto** — Toronto, ON
*Honours BSc, Computer Science – Software Engineering Specialist* — *September 2021 – April 2026*

## Technical Skills

- Experienced in full software development lifecycle, including design, implementation, testing, and deployment, delivering scalable and maintainable solutions in agile environments.
- Skilled at collaborating with cross-functional teams, actively participating in technical discussions, code reviews, and design decisions to produce high-quality software.

**Languages**: Java, Python, C++, JavaScript/TypeScript, PHP, SQL, NoSQL, HTML/CSS
**Frameworks & Libraries**: React, Node.js, Express.js, Angular, Svelte, Tailwind CSS, Three.js
**Developer Tools**: Git, Docker, Linux, AWS, Google Cloud Platform (GCP), Vercel, Jira, Figma, Visual Studio

## Experience

**Software Developer** — May 2025 – Present
*Poket* | *Company Website* — *Toronto, ON*

- Refactored the Submissions page by implementing server-side filtering and caching, reducing load times by 90% and significantly improving scalability.
- Designed and implemented a RESTful API to automate client proposal deck generation, enabling seamless integration with internal tools and cutting manual preparation effort by 85%.
- Engineered schema migration for Realm DB to enable distance-based sorting calculations, ensuring data integrity and a seamless transition of legacy records.

**Software Developer** — September 2024 – December 2024
*UTSC Digital Scholarship Unit* | *Project* — *Toronto, ON*

- Developed a Python automation tool using the Lighthouse API to audit 15 library websites for performance, accessibility, and SEO compliance.
- Reduced manual auditing efforts by 60% by automating website analysis, enabling faster issue detection and resolution while improving overall site quality.
- Engineered and open-sourced a Drupal module for dynamic sensitive content management, featuring overlay logic, taxonomy-based conditional blocking, and admin-configurable settings.

## Projects

**Omnics** | *C++, LegoEV3 API, Figma* | *Tournament Page* — October 2024 – December 2024

- Collaborated with a small team to program our custom-built robot for a competitive soccer tournament, where we secured a position in the playoffs.
- Designed and optimized the robot's primary striking sequence, ensuring consistent accuracy and reliable execution that contributed to the team's playoff success.

**Inspire** | *Next.js, Node.js, Express.js, Vercel* | *Website* — April 2024 – June 2024

- Designed and developed a full-stack web application with a RESTful API to allow users to efficiently create and manage workout schedules, routines, and exercises.
- Implemented secure session-based authentication using Express.js, MongoDB, and bcrypt, with HTTP-only cookies over HTTPS and server-side validation for all protected endpoints.

**Grant Service** | *Svelte, Sveltekit, Supabase, PostgreSQL* | *Video Demo* — February 2024 – April 2024

- Developed a full-stack grant service application for MagnifyAccess, enabling applicants to submit requests and admins to create, track, and review grant applications with an analytics dashboard for funds distributed and applicant statistics.
- Ensured front-end accessibility compliance with WCAG guidelines, implementing features like colorblind support, multilingual accessibility, and enhanced text readability to provide an inclusive user experience.