

# Noah Nefsky

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## Summary of Qualifications

- Programming languages: JavaScript, C++, Python, Dart, Kotlin, Typescript, R, Excel, Java
  - Frontend/Mobile Development: React Native, React.js, Redux, Flutter, Android, Vue.js, HTML, CSS, Bootstrap
  - Backend/Other: Firebase, Spring Boot, Django, LangChain, SQL, Git, Linux, Windows
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## Work Experience

**Software Engineer Co-op** | PointClickCare, Mississauga September 2023 – January 2024

- Added image attachment to a mobile messaging application built in **Flutter**
- Implemented secure copy/paste, without using the clipboard, hiding private information from other apps
- Utilized **LLM** APIs to create a quick reply feature for messages and health record attachments
- Created a warning system to show alerts when receiving patient records that have worrying information
- Built a drug disposal workflow into an **Android** nursing application

**Junior Software Developer** | GrantMatch, Oakville May 2023 - August 2023

- Created a dashboard displaying company statistics using **Vue.js** and **Django**
- Added notification capability into a company application, including a notification page and content sharing
- Implemented routing state change and session storage for critical webpages
- Created web scrapers using **Python** to collect grant information and transform it into usable data
- Utilized AI (**masked language modelling**) and **LangChain** to automate form filling for grants based on datasets

**Software Engineer Intern** | Thoughtwire, Toronto May 2022 - August 2022

- Developed a VSCode extension using **Typescript** to automatically upload projects to a virtual machine
- Created a user interface to handle authentication and cache past inputs using **React** and **JavaScript**
- Created a VSCode extension for **SPARQL** reference-to-definition navigation using Typescript

**Junior Software Engineer** | Sparcblock, Toronto May 2021 - August 2021

- Developed **Java** RESTful APIs that integrate with accounting solutions to automate accounting processes
  - Designed and implemented an interactive Windows desktop application in **C#** to manage secure authentication and automatically update accounting information
  - Automated API integration tests using **JavaScript** and created **Java** unit tests ensuring 100% code coverage
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## Education

University of Waterloo, Ontario September 2020 - April 2025

- Honours Bachelor of Computer Science (co-op)
  - Economics Minor
  - **GPA:** 3.7
  - **Courses:** Object-Oriented Programming, Algorithms, Data Structures, App Development, User Interfaces, Operating Systems, Algebra, Calculus, Microeconomics, Macroeconomics, Statistics, Money and Banking
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## Projects

**Preesh Rewards (React native, Firebase, Redux)**

- Designed and implemented a mobile rewards application for tracking and utilizing points earned
- Added features like authentication, buying gifts, redeeming points for gift cards, tracking history, saving deals, searching for deals, using promotions, image uploading, account saving and rewards categorizing

**Stickies++ (Kotlin, Spring Boot, MVC)**

- Created a notes application like Stickies, but with the workflow and customization capabilities of Apple Notes
- Includes features like dark mode, multiple sorting options, grouping, searching, and importing pdfs