

## EDUCATION

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- **Lassonde School of Engineering, York University** Toronto, ON  
*Specialized Honors Bachelor of Engineering, Software* *Sept. 2016 – April 2022*

## SKILLS

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- **Advanced:** Go, Java, Vue.js (Nuxt.js), PostgreSQL, CockroachDB, Gradle, Git, Docker, Agile
- **Intermediate:** Python, Machine Learning (ML), AWS, Kubernetes, Docker, gRPC, Protobuf, Postman, ANTLR, Java Pathfinder

## WORK EXPERIENCE

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- **Radar** Toronto, ON  
*Software Engineer (Backend)* *Sept. 2021 - Present*
  - **Product Design:** Contributed to the design of the main Radar platform; revolutionizing the way thousands of people meet to share hobbies, do activities, and go to events.
  - **Service-oriented Backend:** Engineered a service-oriented backend using **Go**, **SQL** and **Redis**, communication via **gRPC** and REST with DevOps and CI/CD pipeline using **Docker** and **Kubernetes** on **AWS (ECR, EKS)**
  - **Recommendation Service Engine:** Implemented a **machine learning**, **python**-based recommendation engine which combines content and collaborative filtering based techniques to provide accurate, real-time recommendations to users.
- **Lassonde School of Engineering** Toronto, ON  
*Software Engineering Research Assistant* *May 2021 - Present*
  - **JPF-CTL:** Developed an extension for Java Pathfinder (JPF) to model check Java Code using Computational Tree Logic (CTL) via **ANTLR**, **Java**, **JPF**, **Gradle**, and a novel model checking algorithm.
- **New Creations Studios** Oakville, ON  
*Software Engineer (Infra)* *Summer 2021*
  - **Deployment:** Deployed a static website on **AWS** using an **s3** bucket and a **Cloudfront** Distribution providing high performance and scalability.
  - **Security:** Enabled SSL using **ACM** to provide a secure platform for users.
  - **Custom Service(s):** Provided a custom email domain using Amazon **SES** to provide clients with a personalized email address.

## PROJECTS

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- **The Smart Shopper (*thesmartshopper.online*)** Toronto, ON  
*Software Engineer (Frontend), Founder* *Winter 2020*
  - Directed a team of 6 members over 2 months to develop an online shopping platform.
  - Leveraged knowledge of the **Vue.js** framework to create a responsive front-end.
  - Implemented DevOps and CI/CD pipeline with **Docker**, **Kubernetes** and **Elastic** on **AWS**.
- **drdiabe.tech** Toronto, ON  
*Software Engineer* *Winter 2020*
  - Developed an online platform for individuals living with diabetes to upload blood glucose data to better monitor their trends and health
  - Developed a fully responsive webapp using **Nuxt.js** with full accessibility.
  - Implemented DevOps and CI/CD pipeline with **Docker** and **FireBase**.

## ACHIEVEMENTS

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- **Best Use of CockroachDB, TOHacks (May 2021):** Distributed Carpooling Service (Vagon)
- **Best Use of Google Cloud, RUHacks (May 2021):** Accessible Diabetic Support (drdiabe.tech)