

JATIN MEHTA

Toronto, Ontario

☎ [416-931-0532](tel:416-931-0532) ✉ jatin.mehta@uwaterloo.ca 🌐 [/in/jatin-r-mehta](https://in/jatin-r-mehta) 📄 github.com/exoceus 🌐 jatinmehta.ca

EDUCATION

University of Waterloo

Bachelor of Computer Science (Co-op) - Major GPA - 4.0 (CGPA - 3.9)

2021 – 2026 (Expected)

Waterloo, Canada

SKILLS

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

Technologies: React, React Native, MongoDB, Node.js, Flask, WebSockets, PyTorch

Tools: Git, GitHub, Linux, AWS (S3, EC2), Docker, Android Studio, Unity, Heroku, LaTeX, Figma

EXPERIENCE

Cradle Technologies Inc.

January 2023 – April 2023

Software Engineer Co-op (Backend)

Toronto, ON

- Led development of Web3 authentication for a Unity game with **20,000+ pre-registered users** using **C#, WebSockets** and deep linking to a **React Native** Android app.
- Spearheaded the development of an automated **load testing** service using **k6.js** and **Digital Ocean**.
- Leveraged Gunicorn to allow backend services to process and scale **10,000+** concurrent users.
- Implemented connection pooling for **RabbitMQ** service, increasing publish rate **65x**.
- Applied **OOP principles** by creating a wrapper class to extend support to **6+ blockchain** platforms.

Cradle Technologies Inc.

May 2022 – August 2022

Software Engineer Co-op (Full Stack)

Toronto, ON

- Worked extensively on the core **Flask** server and **MongoDB** database which were used in demos to raise **\$4M**.
- Built an authentication microservice in-house using **Node.js** and **Express.js** which leveraged cryptography to securely store and interact with private keys of over **14,000 accounts** saving **\$50,000+** every year.
- Implemented core logic for a **React (TypeScript)** Chrome extension which grew from 0 to **8000+ users**.
- Wrote **40+** unit tests using **PyTest** and deployed through **GitHub Actions**, resulting in **20% less downtime**.

Royal Bank of Canada (RBC)

July 2021 – August 2021

Software Development Intern

Remote (Toronto, ON)

- Recognized as one of **two top** tech contributors in the Summer Tech Labs intern program.
- Designed and developed an internal business tool to simplify Agile retrospectives by working with **React, TypeScript, WebSockets, SQL** and Strapi (CMS).
- Conducted user interviews and using Agile methodology, tackled bugs/features to increase adoption **across the 50+ Agile development teams**.

Zappos Family of Companies

July 2021 – August 2021

Summer Intern (Machine Intelligence Team)

Remote (Las Vegas, NV)

- Developed a pipeline using **Python, Blender** and **AWS EC2** to generate 3D models used for Augmented Reality (AR) features which were released to **over 1 million users**.
- Generated synthetic datasets using **Unity (C#)** for training image semantic segmentation models and prototyping foot tracking deep learning models using **PyTorch**.

PROJECTS

OppHub 📄 | [GitHub](#) | React, Node.js (Express), MongoDB, Firebase, Google Analytics, AWS S3

- Developed an online portal for high school students to browse over 500 opportunities which was used by **over 10,000 unique visitors**.
- Deployed Google Analytics to gather and analyse user data using cohort analysis and A/B testing.