

Raj Patel

Full Stack Engineer

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Portfolio: [raj-patel-portfolio/](#)

Technical Skills

Software Engineering Experience

- Python (5 years), Java (5 years), Android Development (3 years), HTML, CSS, JavaScript, TypeScript, C, C#, Docker
- MEAN/MERN Stack (MongoDB, Express.js, Angular/React, Node.js), SQL, MySQL, SQL Server Management Studio (SSMS), Firebase, RDBMS, Neo4j

Education

University of Toronto

Honors Bachelors of Science, Software Engineering

Toronto, ON

September 2018 – April 2022 (Expected)

Experience

HomeX

Toronto, ON

Software Engineer II

August 2021 – February 2022

- **Technologies:** MERN Stack (MongoDB, Express.js, React, Node.js), HTML, CSS, Redux, PostgreSQL, Python
- Built small, independent, modular microservices in Python allowing for high maintainability, and scalability
- Updated UI to be more responsive for higher and faster performance resulting in 35% more new and active users

CaseWare

Toronto, ON

Software Engineer Intern

September 2021 – December 2021

- **Technologies:** MEAN Stack (MongoDB, Express.js, Angular, Node.js), HTML, CSS, PostgreSQL, Java, AWS
- Used continuous integration, delivery, and testing for faster release and more reliable testing
- Designed a REST API to work with millions of data entries and improve data pipeline performance

Loadlink Technologies

Toronto, ON

Software Engineer Intern

September 2020 – December 2020

- **Technologies:** MEAN Stack (MongoDB, Express.js, Angular, Node.js), HTML, CSS, C#
- Shipped new features by developing robust code while thoroughly testing resulting in positive feedback from the QA team
- Updated mock-ups for features based on suggestions from hundreds of clients increasing the use of services by 28%
- Lead developer on a web application built with a team of 4 which was coded with reusable and maintainable code

DBRS Morningstar

Toronto, ON

Software Engineer Intern

January 2020 – April 2020

- **Technologies:** MEAN Stack (MongoDB, Express.js, Angular, Node.js), HTML, CSS, SSMS, PostgreSQL, Python, AWS
- Restructured several relational databases allowing easier access and maintaining manageability of over 100,000 entries of data
- Successfully addressed high priority bugs by developing robust fixes within 1 day resulting in an earlier company-wide rollout
- Actively shipped features that required architecting, and optimizing code ensuring a well-designed software

Achievements

HackTheValley

February 2020, Top 5

Hack the North

January 2020, Top 5

UofTHacks IV

February 2019, 3rd place

Hack the 6ix

August 2018, 2nd place

Projects

Scikit-learn Contributions (Open Source)

January 2021

- **Technologies:** Python, NumPy
- Designed fixes for easy, moderate, and hard labelled issues with detailed UML diagrams showing change in structure of code
- Successfully and quickly completed the fixes of issues while documenting the change in design of codebase with unit tests

MyPlace (Augmented Reality)

May 2020

- **Technologies:** Java, SQLite, Android Studio, XML, ARCore
- Allows new homeowners to visualize their dream homes with their choice of furniture and appliances with a few clicks
- Successfully implemented ARCore with the ability to capture and store images of augmented objects in the real world