Raj Patel
Full Stack Engineer

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Technical Skills

Software Engineering Experience

- Python (4 years), Java (4 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   **Toronto, ON**
Honors Bachelors of Science, Software Engineering   September 2018 – April 2022 (Expected)

Experience

HomeX   **Toronto, ON**
Software Engineer   August 2021 – Present

- **Technologies**: MERN Stack (MongoDB, Express.js, React, Node.js), HTML, CSS, Redux, PostgreSQL, Python
- Building small, independent, modular microservices allowing for high maintainability, and scalability
- Updating UI to be more responsive and interactive through customer involvement resulting in 35% more new and active users

CaseWare   **Toronto, ON**
Software Engineer Intern   August 2021 – Present

- **Technologies**: MEAN Stack (MongoDB, Express.js, Angular, Node.js), HTML, CSS, PostgreSQL, Java, AWS
- Using continuous integration, delivery, and testing for faster release and more reliable testing
- Currently designing a REST API to monitor materialized views and 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	Hack the North	UofTHacks IV	Hack the 6ix
February 2020, Top 5	January 2020, Top 5	February 2019, 3rd place	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