

# Jay Patel

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Website: <https://jay1611patel.github.io/JayPatel.github.io/>

## EDUCATION

Bachelor of Mathematics, University of Waterloo, ON

September 2020 – Present

*Specialization in Computational Mathematics*

- **Relevant Courses:** Algorithm Design and Data Abstraction and Object-Oriented Software Development.

## EXPERIENCE

### DevOps Engineer

January 2022 – April 2022

Assent, Ottawa, ON.

- Implemented methods and tools to **automate and extend the environments** in which the company provides services to customers.
- Collaborated with 5 other development teams and the rest of the organization to **enhance automation, observability, scalability, and security**.
- Assisted in **designing and developing** high quality, scalable tools that **automate day-to-day operations** for the engineering teams and decrease the deployment time by half.
- Operated with various tools and technologies such as Dot Net, C#, JavaScript, Groovy, PowerShell, Bash, SQL, AWS Services, Ansible, Docker, Jenkins, and JFrog Artifactory.
- **Automated the dashboard** using AWS services that keep tracks of all the environments by making it 50% more time efficient.

### API Integration Developer

May 2021 – August 2021

Fidacity Realty, Ottawa, ON.

- Managed the development and maintenance of new APIs and architected new integrations to APIs.
- Engaged with the lead developer to support existing API integrations that need update / troubleshooting. The protocols involved included SOAP, XML, REST, JSON, SQL, HTTP, OAuth.
- Worked on the **front-end and back-end development** of the website using PHP Laravel, HTML, CSS, Vue JS, Node JS, JavaScript, AWS EC2, MySQL, Linux, and Docker.
- **Identified and fixed bugs** to resolve technical issues with the API application.
- Performed **unit testing** and **automation testing** on the website and made it 30% more efficient.

## PROJECTS

### Social Media Website

- Incorporated features such as account sign up, log in/log out, Send/accept friend requests, and Posting to the feed.
- Implemented HTML, CSS, Django, Python, Firebase Authentication, and REST APIs.
- Developed the website within 48 hours as a part of Hackathon.
- Improved the time-management skills, team-work skills, and ability to work under pressure.

### Investment and Stock Tracker

- Created the project to keep track of the personal investments and obtain knowledge about SQL database and Java.
- Formalized an SQL database and created a Java application that interconnects with the database.
- Designed a User Interface using HTML, CSS and JavaScript that interacts with the application.
- The application allows users to track investments made by people in a certain organization and track the stocks at the organization.

## SKILLS

**Software Development** – Java, JavaScript, C#, Dot Net, Groovy, PowerShell, Bash, Racket, C Programming, C++, Graphical User Interface, Object Oriented Programming, and Python.

**Web Development** – HTML, CSS, Node JS, PHP Laravel 8, Bootstrap, React JS, and REST APIs.

**Tools** – MySQL Database, Ubuntu, Linux, Docker, Firebase Platform, Android Studio, RStudio, AWS Services (Elastic Beanstalk, Lambda, CodeBuild, and CodePipeline), Ansible, Jenkins, and JFrog Artifactory.

**Transferrable Skills** – Communication, Teamwork, Problem-solving, Creativity, and Adaptability.

**Interests** - Artificial Intelligence, Algorithms, Machine Learning, Cryptography, Data Science, and Stock Trading.