

Yash Gajaria

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SKILLS

- **Languages:** Python, C++, JavaScript, Java, PHP, HTML, CSS, SQL
- **Technologies:** Node.js, React, Express.js, Flask, Django, MongoDB, PostgreSQL, SQLAlchemy, MySQL
- **Tools:** AWS, GCP, Heroku, Kubernetes, Docker, Jupyter, Jira, Git

EDUCATION

University of Waterloo - BASc, Systems Design Engineering (3.92 GPA) **Sep 2019 - Present**

Orientation Leader, Member of Engineering Ambassadors and Engineers Without Borders

Relevant Coursework: Data Structures and Algorithms, Digital Computation, Human Factors in Design

EXPERIENCE

Lean Payments | Full Stack Developer

Sep 2020 - Dec 2020

- Developed self-service dashboard for users/businesses using **React/Node.js** to automate entire onboarding flow
- Built **REST APIs** to administer invites and user associations for businesses to manage authorizations
- Configured AWS Services (Cognito, S3, DynamoDB) for development, staging, and production environments
- Iterated on *Contact Sales* page designs to decrease bounce rate over 2 months
- Improved engineering team's organization by establishing ticket-tracking using Jira to monitor sprint progression

OpenText | Software Quality Assurance Specialist

Jan 2020 - Apr 2020

- Developed and executed test cases on OpenText containers using **Kubernetes** on GCP and Docker Desktop
- Wrote and monitored automated tests in **Java** using Selenium WebDriver and Eclipse with Perforce version control software to improve QA verification times by increasing automated regression testing coverage by 20%
- Conducted security tests using PortSwigger Cybersecurity software and generated reports to indicate security flaws

PROJECTS

JP Morgan Chase Software Engineering Virtual Experience

Python, Node.js, React, Express

- Processed raw stock information into a data feed comparing stock prices using Python script with **unit test** coverage
- Designed and pushed features to company visualization library using Node.js and React to monitor the ratio between two stock prices given upper and lower bounds on a continuous graph

Poker Facilitator Messenger Bot 🐙

Node.js, Express

- Created a Facebook Messenger Bot to replicate casino chips to facilitate poker games
- Developed backend using **Node.js** and Express to expose endpoints to Messenger API and store game data in a MongoDB Atlas database using Mongoose

Honest Opinion Blogging Platform 🐙 🐙

Python, Flask, HTML, CSS, SQL

- Built a CRUD blog using **Python** and **Flask** hosted on Heroku with data stored in a PostgreSQL database
- Created a frontend page using HTML, CSS, and Bootstrap with built in Facebook and Twitter integrations

SnowTrackr 🐙

Python, C++

- Constructed a snow accumulation level notification system at NewHacks aimed at snow maintenance workers
- Utilized a webcam and Python OpenCV library alongside Arduino sensors with embedded **C++** to compute snowfall and send an SMS to users using the Twilio API