

Yash Mathur

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SKILLS

Languages: C/C++, Java, JavaScript, HTML/CSS, Ruby, PHP, SQL, Python
Technologies: Android, Node.js, Rails, React, Firebase, OpenGL, Elasticsearch

EXPERIENCE

SHOPIFY FULL STACK DEVELOPER Spring 2017 | Toronto

- Worked on **Exchange**, a marketplace for Shopify stores aimed at reducing the merchant churn rate
- Independently developed filtering and sorting for listings using **Elasticsearch**, resulting in a **30% increase** in the project's KPI
- Implemented a strategy for reindexing Elasticsearch data to ensure **zero downtime**
- Designed an **email webhook** to support email forwarding with masking to reduce the bounce rate by 99%
- Analyzed the effectiveness of rearchitecting the project's front-end with React using **Airbnb's Hypernova gem** to support **server-side rendering**
- Implemented **email throttling** and **keyword matching** algorithms which helped plummet fraud rates

UPTECH VENTURES SOFTWARE ENGINEERING INTERN Spring 2016 | Mumbai

- Developed websites for clients from scratch using React, Node and PHP
- Worked extensively with clients during user research, planning and implementation phases leading to higher client satisfaction rates

PROJECTS

ASCIINATOR PYTHON, PYTHON PIL

- A python app that displays images using ASCII characters
- Implemented an algorithm that scales images according to input parameters and maps intensities to characters accurately

STOCKSENSE JAVA, ANDROID API, PHP

- An Android app that helps users track the stock market in **real-time**
- Wrote PHP scripts that extract stock market data from websites
- Received **over 500 downloads** on the Google Play Store 2 months after launch

HYPERSPACE C++, OPENGL

- Led a team to build a space shooter game that uses the **Tiva Launchpad** as a controller for the player
- Makes use of sensors like thermometer to generate the game elements

EDUCATION

UNIVERSITY OF WATERLOO BACHELOR OF COMPUTER SCIENCE
Expected 2021 | Engineering International Student Scholarship

AWARDS

GOOGLE GAMES WATERLOO 2017 1ST PLACE

- Solved algorithmic challenges and puzzles to win the first prize

CODE VOYAGE 2016 3RD PLACE

- Students from all over India participated in the competitive programming contest

COMMUNITECH CODE TO WIN FINALIST

- Competitive programming contest that had over a 1000 participants from all over Canada