RAFI **RAHMAN**

Software Developer • Toronto

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🎓 Education

University of Toronto, St. George
Sept. 2014 — Nov. 2019

Honours Bachelor of Science with Distinction | CGPA: 3.4   ⦿ Toronto, Ontario

- Fields of Study: Computer Science; Physical and Environmental Geography; History and Philosophy of Science and Technology.
- Dean's List, Winter 2016.

💼 Work Experience

Rogers Communications
May 2018 — Aug. 2018

Developer   ⦿ Toronto, Ontario

- Implemented and maintained frameworks for CI/CD pipelines for major media properties.
- Developed Node.js MySQL interface and associated schemas tracking CI/CD results.
- Launched Angular frontend for managing, visualizing, and querying database results.

Ottawa Catholic School Board
Feb. 2013 — Jun. 2013

Teaching Assistant   ⦿ Ottawa, Ontario

- Collaboratively managed, organized, instructed, and administered behavior management policies for multiple elementary classes of students aged 5 to 12.

▭ Selected Projects

Dockerized Web Server
April 2019 — Present

Personal Project

- Deployed and managed 20+ Docker images on Ubuntu provisioning varied remote and local functionality intended for personal use.
- Implemented SSL certificates, authentication policies and reverse proxying in local NGINX instance and HTTPS access, domain resolution, and edge caching through Cloudflare.
- Managed graphical dashboard visualizing various server and container metrics using Grafana and InfluxDB.
- Configured local RESTful web service for controlling and querying various server properties.

Multiprocessed BMP Filter Server
Oct. 2017 — Nov. 2017

University of Toronto, CSC209 – Systems Programming

- Designed multiprocessed, multi-user HTTP server developed in C99 to perform image filtering on server and/or client-side bitmap files, with strict memory allocation guidelines.
- Leveraged client-server communication through POSIX APIs for forks/pipes, sockets, and binary R/W

Persistent Image Tag Manager
Sept. 2016 — Nov. 2016

University of Toronto, CSC207 – Software Design

- Developed Java-based GUI program for searching, and organizing images found on a given filesystem.
- Enabled users to access and modify serializable image objects stored in recursive directories, and perform queries at a later time.

🛠 Skills

Java · Python · Git · Docker · REST · JavaScript · Node.js · jQuery · C99 · Verilog · HTML5/CSS3 · MySQL · InfluxDB · Bash · NGINX · ArcGIS