RAFI **RAHMAN**

Software Developer • Toronto

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🎓 Education

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

Alphawave
Aug. 2020 — Present

DevOps Engineer 📍 Toronto, Ontario

- Independently developed and deployed 10+ bespoke programs and tools with critical to supplemental utility within internal silicon design and external delivery flows.
- Mentored and provided general management to student co-op hire with limited experience, providing continued communication to foster confident integration into team and delegated tasks.
- Rapidly took ownership of Python/Perl legacy releasing program and released new features, ranging from new supplemental tools, to enabling parallelization of release flow.
- Managed internal-to-external Jira instance, developing, validating, and enabling new features for customer-facing workflows with purpose-built integrations via vendor-specific API.
- Owned key administrative responsibilities for configuration & provisioning of various essential CentOS Linux infrastructure and components during period of significant company growth and IPO.

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.

🗄 Selected Projects

Resumation
May 2021

Personal Project

- Python static web page generation utility to automate rapid iteration of responsive personal resumes, targeting web and print media.
- Designed sensible JSON/TOML schema for generation flow integration to enable utility for external users.

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

🛠 Skills

Python · Java · Perl · C99 · bash/zsh · HTML5/CSS3 · JavaScript · Node.js · jQuery · Docker · Jenkins · NGINX · Jira · Verilog · SQL · InfluxDB · RHEL · Oracle Grid Engine · ArcGIS · Confluence