Abhishek Kaul

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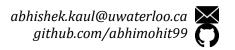*github.com/abhimohit99*

▬ Experience

Cloud Developer Intern, Sourced Group. Toronto, ON 2020
Jan – Mar

Supported internal technologies team with routine tasks and automation.
- Created a Slack bot to 'teapot' people who have left their computers unlocked.
  - Used Lambda functions and DynamoDB; used SNS Topic for connecting.
  - Built Bitbucket pipeline to automate builds, verify artifacts, and Lambda uploads.
- Automated Public git repo checker by connecting to Jira tickets.
  - Run every time a specific kind of ticket comes in.

DevOps Developer Intern, Imagine Communications. Waterloo, ON 2019
May – Aug

Researched efficient alternatives and built tools to support field engineers.
- Powershell script and Pester tests for exporting key machine info.
  - Ex. clock speed, registry key values, RAM, etc.
- Management of Ansible playbooks, roles, etc. for Ansible migration of internal tool.
- Deployed Consul on Linux VMs + modified vagrant boxes via Packer for Rundeck.
- Converted an internal tool into an Ansible workbook for easier setup and deploy.

DevOps Engineering Intern, Tulip. Kitchener, ON 2018
Sept - Dec

Maintained internal tools and helped transition from AWS to GCP.
- Wrote script to monitor Saks VPN tunnel and cycle it if it's down.
- Tested, upgraded, and updated Chef recipes:
  - Upgraded php7, modified nginx, added Aurora Serverless support with AWS.
- Built a two-way VPN tunnel from GCP to AWS for usage in transition.

IT Specialist Intern, Tulip. Toronto, ON 2018
Jan – Apr

Supported IT team with maintenance and security.
- Wrote Bash script to autogenerate public SSH key on user login.
- MatterMost setup, documentation, and transition help for the whole company.
- Automated inventory management with Cheqroom.

▬ Projects

Music Ratings ⬡ 2018

Scraped top music rating sites for album ratings to generate a combined score.
- MechanicalSoup to simulate browser and parse pages.
  - Parallelization for simultaneous scraping of multiple sites in the works.

Project Euler ⬡ 2016 - now

Problems solved by a combination of maths and programming logic.
- Eg. "find the sum of the first 100 prime numbers".

Learning Python ⬡ 2018

Small projects I took on to learn Python in a meaningful way.
- 2P Tic-Tac-Toe, Latin-PigLatin translator, simple guessing game.

▬ Education

Candidate for Bachelor's of Applied Science, 2016 - 2022
Computer Engineering, *University of Waterloo*