

Efkan Serhat Goktepe

Toronto, ON • serhat.goktepe@mail.utoronto.ca • [/in/serhatgoktepe](https://in/serhatgoktepe) • github.com/serhatgktp

Education

University of Toronto, HBSc Co-op Computer Science

Sep 2019 - Apr 2024

- GPA: 3.37
- Awards: Dean's List of Academic Excellence, University of Toronto Scholar (\$7500)

Skills

Languages: Python, C, C++, Java, Haskell, SQL

Tools: Azure, AWS, SQL/NoSQL, Powershell, UNIX Shell, Git, Docker, Pandas, BeautifulSoup, Regex, React

Concepts: REST/GraphQL, Scrum/Kanban, CI/CD, Data Warehousing, Cloud Solutions, MVC Architecture, Microservices

Experience

Software Developer Intern, Alphabyte Solutions, Toronto, ON

May 2021 – Present

- Used **Python** to build and automate scalable data pipelines for **10+** clients worth **\$400M USD** in total
- Developed a trigger to upscale and downscale Azure DTUs via **Azure CLI** based on necessity, shortening job completion times by **~40%** and saving over **\$10,000/month** in cloud costs across all clients
- Engineered a batch processing solution that parallelized **CRON** jobs on an **AWS EC2** instance reducing job completion time from **2 hours** to **40 minutes**
- Wrote programs to pull data from **REST** and **GraphQL** Marketing APIs such as Facebook Marketing, Google AdWords, Bing Marketing, Shopify API etc.
- Manipulated and cleaned data via **Python pandas** before warehousing
- Programmed **stored procedures** in **SQL Server** for large datasets and used Python to automate database **ETL**
- Created web scraping jobs via **BeautifulSoup** while utilizing exposed APIs wherever possible
- Built development & production cloud environments for clients on **Azure** and **AWS**
- **Tools:** Python, C#, .NET, Powershell ISE, bash, Azure, AWS (EC2, S3, RDS)

Projects

co:ngress (*1st Place Winner @ Hack the Valley 2022*)

[\(Devpost\)](#) [\(Github\)](#)

- Used Cohere API & Wombo API to build an app that summarizes parliamentary transcripts, fetches an AI-generated cover image, and compiles them in a webpage.
- **Tools:** Python, Django, React, SQLite

Goodroom (*1st Place in Voiceflow API Challenge @ Hack the North 2022*)

[\(Devpost\)](#) [\(Github\)](#)

- Built an intelligent room service bot for hotels using Voiceflow API and Telegram API
- **Tools:** Python, Node, Javascript

pyircd

[\(Demo\)](#) [\(Github\)](#)

- Built an IRC server in Python that is fully compliant with [RFC 2812](#) and [RFC 1459](#)
- Works with modern off-the-shelf IRC clients such as WeeChat and Pidgin
- Built with integration testing via [progal/irctest](#)

Parlawatch

[\(Website\)](#)

- Built and maintained Parlawatch – a website that summarizes hearings from the Canadian House of Commons
- **Tools:** C# / .NET / SQL Server / HTML-CSS-JS / jQuery / Bootstrap

Amorr

[\(Github\)](#)

- Co-founded and developed the backend of Amorr, a marketplace for at-home beauty services.
- **Tools:** Python / Flask / MySQL / React / MUI