Efkan Serhat Goktepe

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Education

University of Toronto, *HBSc Co-op Computer Science*   Sep 2019 - May 2024
- GPA: 3.3
- Awards: Dean's List of Academic Excellence, University of Toronto Scholar ($7500)

Skills

Languages: Python, C, C#, C++, Java, JavaScript, Haskell, SQL
Tools: Azure/AWS/IBM Cloud, SQL/NoSQL, CRON, Git, Docker, Kubernetes, BeautifulSoup, React, Typescript, LLMs
Concepts: REST/GraphQL APIs, CI/CD, Database Design, Cloud Deployment, MVC Architecture, Microservices

Experience

Software Developer Intern, *IBM, Toronto, ON*   May 2023 – Dec 2023
- Built features and fixed bugs for IBM Skills Network using **Flask**, **Typescript**, and **Ruby**
- Managed the versioning and deployment of clients' **Kubernetes** clusters on **IBM Cloud** over **4** regions
- Implemented and maintained an analytics pipeline & dashboard for IBM Cognitive Class using **Python** and **React**
- Contributed to open-source Generative AI tools: langchain, NeMo-Guardrails, LlamaIndex
- **Tools**: Ruby on Rails, MongoDB, PostgreSQL, Typescript, Docker, Kubernetes, Python, IBM Cloud

Full-Stack Developer Intern, *Alphabyte Solutions, Toronto, ON*   May 2021 – May 2023
- Worked full-time 40h/week between May-Dec 2021 and part-time 20h/week from Jan 2022 onwards
- Used **Python** to build and automate scalable data pipelines for **10+** clients worth **$400M USD** in total
- Developed triggers 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 **15 minutes**
- Built and maintained internal dashboards and websites with **MVC architecture** using **.NET** and **C#**
- Created web scrapers using **BeautifulSoup** with automated monitoring that alerts for front-end changes
- Set up and manage production servers for clients on **Azure** and **AWS**
- **Tools**: Python, SQL Server, MySQL, C#, .NET, Powershell, bash, Azure, AWS, REST/GraphQL APIs

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

GithubGuide *(Most Creative Use of GitHub @ DeerHacks 2023)*   (Devpost) (GitHub)
- Developed a project using the GPT-4 model via OpenAI API to make reading open-source repos easier!
- **Tools**: Python / JavaScript / LlamaIndex

pyircd   (Demo) (Github)
- Built an IRC server in Python that is fully compliant with RFC 2812 and RFC 1459