Brandon Symmers

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EDUCATION

University of British Columbia   Vancouver, BC
Bachelor of Science in Computer Science, Minor in Spanish; GPA: 3.60/4.00   *Sept 2018 - May 2023*

WORK EXPERIENCE

Software Engineer (Co-op)   January 2022 – August 2022
Procurify   *Vancouver, BC*
- Implemented a microservice and its subsequent **REST API** which facilitated the syncing of bills from our native app to Netsuite, allowing the company to greatly expand their customer base to include Netsuite customers
- Optimized existing **Terraform** infrastructure to reduce code duplication and costs of unused **AWS services** while provisioning new **AWS services** to better suite our needs
- Spearheaded the transition away from **hashicorp vault** to **AWS Secrets manager**, accordingly updating all environment variables in our codebase to reflect these changes
- Launched a **proof of concept** testing the feasibility of replacing **Terraform** with **AWS CDK** aiming to explore the possibility for developers to provision their own infrastructure without outside DevOps support

DevOps Engineer Intern   May 2021 – Dec 2021
Philips Healthtech   *Vancouver, BC*
- Automated the process of onboarding / offboarding through building a **full-stack web application** that gave / withdrew access to different services such as AWS IAM, Slack, Jira
- Refactored/maintained **Bamboo CI/CD pipelines**, whilst working with development teams to create new ones depending on their needs, thus reducing their time dedicated to deployment
- Supported software development teams through any server side complications & actively partook in their **agile** development processes

PROJECTS

Cognate Translator | *Go, JavaScript, React, HTML/CSS*   Feb 2024 - April 2024
- Developed a full stack web application using **React** and **Go** that serves as a language learning tool which converts the source language to a hybrid version of the source and target language where only cognates have been translated, allowing users to easily expand their vocabulary of the target language
- Trained an **NLP machine learning model** to automatically detect the input language
- Integrated with DeepL's **REST API** to allow users to compare "cognate" translation to full translation

Nexus Scanner | *Python, Selenium, EC2*   June 2024
- Created a **Python** Script that continuously polls the Nexus Trusted Traveler Program's scheduler API every couple of seconds
- Integrated the script with Discord's API, allowing for push notifications to be sent to a corresponding Discord Channel once an appointment was found
- Hosted the script on an **EC2** instance and implemented IP rotation to avoid API rate limiting

Terraform Violation Scanner | *Node.js, React, AWS Services*   Sept 2021 - Dec 2021
- Collaborated with HSBC to develop a **full-stack web application** proof of concept that analyzes all **Terraform** files in a given repository for syntactical errors violating a set of given rules
- Designed a **RESTful API** receiving hundreds of requests from both our frontend and our GitHub webhook (which would trigger an analysis of the repository upon any changes to the main branch)
- Utilized a hierarchy of **AWS Lambda functions** to parse **YAML** "rule" files and **Terraform** files stored in **AWS EFS** asynchronously
- Tracked performance through **AWS Cloudwatch** through monitoring of logging and errors
- Leveraged AWS services covered under their free tier to eliminate costs

TECHNICAL SKILLS

Languages: JavaScript, Python, TypeScript, Go, Java, SQL, HTML/CSS, Bash
Frameworks: React, d3, Pandas, Scikit-Learn, Terraform, Pytest
Developer Tools: Git, AWS, Docker, Kubernetes, Bamboo, CircleCI, Postman
Certifications: AWS Associate Developer, DELE B2 Spanish Proficiency