BRANDON C. HOFFMAN

branhoff2@gmail.com   https://brandon-hoffman.is-a.dev/   773.441.2855

TECHNICAL SKILLS

- Programming Languages: Python | C++ | Java | Scala
- Tools: AWS | Docker | Apache Pulsar | Kubernetes | Terraform | Helm | Splunk | DataDog | Artifactory | Git | Flask

WORK EXPERIENCE

Software Engineer II– The Climate Corp; *Seattle, WA*   Apr 2022 – Current
- Implemented a message bus system for microservices with Apache Pulsar, Kubernetes, and Terraform
- Designed, wrote, and deployed a canary test service as an ECS container to continuously test core functionality of our "Event Platform" messaging bus system
- Deployed a Datadog agent in our EKS cluster to scrape Prometheus metrics
- Designed dashboards and PagerDuty alerts to measure and monitor the "Event Platform"
- Tuned and configured our helm charts in my team's terraform based deployment of Apache Pulsar
- Wrote a number of bash scripts to automate and manage the deployment process
- Wrote, designed, and implemented a Python client for users to interact with the Event platform

Software Engineer Contractor – The Climate Corp; *Seattle, WA*   Sep 2021 – Promoted
- Configured forwarding of production and systems Pulsar cluster logs from Kubernetes to Splunk
- Automated startup script to initiate a Docker-ized pulsar cluster for local testing and development
- Learned Scala to contribute to on-call support for our "Jobs" micro service

Software Engineer Contractor – Fox Sports; *(remote) Los Angeles, CA*   May 2021 – Sep 2021
- Wrote client module to wrap API endpoints into functions
- Built json parser to generate models from client APIs for NCAA football so to allow the application to not interact with URIs or JSON responses directly within the rest of the platform
- Wrote unit tests for legacy NFL codebase with their metrics and splits aggregators

Python Developer Contractor – Transfer Pricing Accounting; Amazon; *Seattle, WA*   Jun 2020 – May 2021
- Engineered an application to recursively navigate shared network folders and return relative folder sizes for inputted hierarchy depth
- Planned, deployed, monitored, and maintained Amazon AWS cloud infrastructure consisting of multiple S3 buckets to Transfer Pricing Archive from outdated Amazon Drive infrastructure
- Optimized SQL queries with newer statements that utilize table indexes and adhere to SQL best practices
- Developed a solution to refresh monthly, inconsistently formatted accounting calculation files. Developed test plans, test scenarios and test cases to automate quality and accuracy automation of journal entry upload process
- Built Levenshtein distance string scorer application to compare non-identical strings to allow for non-communicative databases to integrate data points within Pandas DataFrame

Sr. Financial Analyst; Python Dev – Global Asset Management; Bank of Montreal; *Chicago, IL*   Aug 2017 – Jun 2020
- Wrote Python programs/scripts to automate tasks for client service team and global investment teams:
    - Constructed automated equity attribution consolidation script to combine 400 Excel files into 10-15 Excel workbooks categorized by strategy name. Shortened a manual multi-day process to a scheduled Python application that runs in less than 5 minutes on a monthly basis
    - Saved the firm $140,000 by automating the monthly strategy commentary in house rather than purchasing and outsourcing a vendor solution by pulling from Factset API and transforming data within Pandas DataFrame
    - Updated BMO GAM's Short Duration Investment Team's holdings dashboard to pull from InvestorTools API into xlsx files then transform data with Pandas
    - Developed BMO GAM's Investment Equity Team to build an automated attribution aggregator which shortened a 7-hour process into a 11-minute process

Consultant – Project Controller Practice; Deloitte Consulting; *Chicago, IL*   May 2015 – Jun 2017
- Budgeted and tracked the profitability for 14 projects for Eli Lilly exceeding $22 million dollars in revenue by utilizing SQL and Python Database Management
- Implemented client Invoice tracking system to compile and clarify complicated client invoicing system so any Deloitte resource can easily invoice when necessary. Average collections period was reduced from an average of 66 days to 63 days in my tenure

EDUCATION

- **Graduate Certificate in Software Design and Development,** University of Washington; Seattle, WA – in progress
- **Bachelor of Business Administration in Finance**, Evangel University; Springfield, MO – December 2014