Peter Luro
21 Gibbs Street Brookline, MA 02446
Peter.luro1@gmail.com
9786219450

OBJECTIVE

Find a software engineering position that allows for collaborative design and implementation of software utilizing large datasets to drive key business decisions

EDUCATION

Bachelor of Science in Computer Science   December 2019
Worcester Polytechnic Institute (WPI), GPA: 3.65/4.0

SKILLS

Software: Linux, Azure Cloud Infrastructure, Azure Databricks (ETL), Kubernetes, Docker, GitHub (collaborative development), Microsoft (Word, Excel, PowerPoint, & Teams), Postman, VSCode, Jenkins, PyCharm, Terraform, Figma, Confluence, Pandas, Flask, & Draw.io
Programming Languages: Python, SQL, C, C++, Java, JavaScript, React, Swagger (YAML), CSS & HTML

WORK EXPERIENCE & PROJECTS

Software Engineer, Optum TDP, Boston MA   January 2020 - April 2023
• Azure Cognitive Services (ETL):
  o Wrote scripts in Azureml to mount Azure blob storage. Using WAV audio data with transcriptions, restructured data, trained and tested Speech and Language models. These models transcribe patient/provider phone calls within UHG. Reported analytics to the team through Matplotlib visualizations and guided future developments to improve quality of ML transcriptions
• Jenkins & Python scripts:
  o Autogenerate real-time SVG architectural diagrams on resources in Azure using the Azure API to pull current state, construct diagrams from scratch (using svgwrite library), then automatically publish up-to-date diagrams to the organization's MKDocs microsites for engineers to reference
  o Docker vulnerability check pipeline, pulls and builds all the organization's project Dockerfiles on a daily schedule, pushed to an ACR for the Defender to scan for vulnerabilities. All Dockerfile owners are alerted of high vulnerability scores and remediation guidelines through a notification email
• Kubernetes Deployments and Services:
  o Automated a Jenkins pipeline for API deployment to a Kubernetes cluster. The container runs a Flask API, which manages requests to submit WAV audio data for processing. These routes are accessible externally through a Virtual Service and gateway
  o Tested various API requests using Postman
• User tracking and analytics:
  o Implemented OAuth user identification to track usage of the organization's resources, logged to Kibana, and designed analytical Visualizations & Dashboards for management to reference

Other Experience:
- Python, Stock Trading App, Personal Project 2023 - Python scripting to pull stock recommendations and news using the Python Requests library with HTTP get requests. Calculated various moving averages and indicators to identify breakouts, pulling real-time stock data through Yahoo yfinance library. Bought and sold stock on an Alpaca paper-trading account. Scheduled to run every stock market open using a crontab schedule on my Mac. Looking to add the script to GCP.
- Figma, UHG Boston Global Hackathon, Boston MA 2019 - First place winner in the Boston location and placed second nationally. Developed a mobile app which incentivizes youth to follow healthy behaviors and habits
- React, Software Engineer, Sitetracker, Silicon Valley CA 2018 - Developed a scheduler for construction site project managers to plan tasks and jobs for their construction site work, using a React mobile app