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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, Scala, 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
  - Wrote Python scripts to run batch translation on UHG medical claims and transcription services for medical patient/provider phone calls
  - Wrote SQL queries on Hive databases using Dbeaver and Python scripts to restructure data for ML
- Jenkins & Python scripts:
  - 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
  - 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
  - Automated a Jenkins pipeline for API deployment to a Kubernetes cluster. The container runs a Connexion app, which is structured using a Swagger yaml file. These routes are accessible externally through a Virtual Service and gateway
  - Tested various API requests using Postman
- User tracking and analytics
  - 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
- 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