Robert Worsham

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EXPERIENCE

Technical Engineer — Feb 2022 – Present
Dalcom Consulting — *Greensboro, NC*

- Developed a project management software to replace current software saving approximately $5,000 per year
- Developed a Python script to automate nightly sales data monitoring that increase productivity by 25% (60 hours per month)
- provides assistance and maintenance for various systems and technologies on behalf of support clients. This includes tasks such as troubleshooting issues, installing updates, configuring software and hardware, and ensuring the smooth operation of networks, devices, and systems.

Tier 1/SIPR Agent — Dec. 2020 – Nov. 2021
U.S Navy Contractor — *Norfolk, VA*

- Remotely supported the entire U.S Navy Intranet approximately 700,000 users
- Was assigned to the VIP/EVIP team to provide the highest level support available and coordinate onsite resources for emergency intervention if needed
- Assess and troubleshoot computer problems brought by users including software, active directory, file server management, printers and iOS devices
- On boarded and trained new hires on daily operations and best practices

PROJECTS

WorkFlo | *Flask, SQLAlchemy, Nginx, Gunicorn, PostgreSQL, Bootstrap, WTForms* — April 2024 – Present

- Developed a full-stack web application with Flask serving a full-featured project management software with Bootstrap as the frontend
- Utilized Nginx on a Debian virtual machine paired with Gunicorn to serve application
- Implemented interactive calendar with Javascript
- Visualized user data to show metrics with Plotly
- Used WTForms and SQLAlchemy to protect against SQL Injection and validate user submissions server side

Musical Time Machine | *Flask, Gunicorn, Bootstrap, BeautifulSoup, Spotipy, WTForms* — May 2024 – June 2024

- Developed a web application to create playlist based on date information submitted by user
- Implemented Spotipy to authenticate users with Spotify platform and gain permission to create and update playlist in user accounts
- Utilize BeautifulSoup to scrape Billboards Top 100 songs list with dynamic url from date submitted

TECHNICAL SKILLS

Languages: Python, SQL (Postgres, SQLite3), HTML/CSS, JavaScript
Frameworks: Flask, Django, Bootstrap, FastAPI, Streamlit
Developer Tools: Terraform, Docker, Nginx, Gunicorn, Git, PyCharm, Postman, Jinja, DB Browser, Render
Libraries: SQLAlchemy, WTForms, Pandas, NumPy, Matplotlib, Plotly

EDUCATION

Udemy Coursework — Virtual Learning
100 Days of Code: The Complete Python Pro Bootcamp — *2023 – 2024*

Danville Community College — Danville, Va
AAS in Network Engineering — *2017 – 2019*

Danville Community College — Danville, Va
Certificate of Cyber Security — *2018 – 2020*