

## Susan Livingston

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### PROFESSIONAL SOFTWARE EXPERIENCE

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#### DC ENERGY, McLean, VA

**Software Engineer**, *August 2023 – Present*

- Migrated APIs from Falcon to FastAPI, enhancing data access performance for critical analytics tools.
- Designed and managed scalable MySQL database schemas, ensuring data integrity across internal systems.
- Managed and processed sensitive market data while ensuring compliance with industry regulations.
- Built data preprocessing pipelines using Pandas and R DataTables to streamline data workflows.
- Led UI/UX development of data visualization platforms using Svelte and Figma, enabling actionable insights for stakeholders.
- Scraped and structured large datasets using Scrapy to support analytics use cases.
- Collaborated cross-functionally to enhance enterprise systems, improving operational efficiency.
- Utilized Agile methodologies to deliver incremental software improvements, achieving team sprint goals.

#### VIKING SASQUATCH Remote

**Full Stack Web Developer** *July 2021 – April 2023*

- Designed and implemented RESTful APIs and database structures for custom applications.
- Processed and transformed datasets using ETL pipelines (Apache NiFi).
- Maintained Python-based data processing scripts, improving workflow efficiency and reducing error rates.
- Built custom software for clients, including React and TypeScript dashboards, to address specific business needs.
- Delivered high-quality software through Agile development practices, driving sprint goals and feature releases.
- Gained hands-on experience with Linux, Bash scripting, and deploying containerized applications using Docker.
- Deployed APIs to Google Cloud Platform (GCP), ensuring scalable and secure access to critical data.

### SKILLS

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**Languages & Technologies:** Python, R, JavaScript, TypeScript, Java, MATLAB FastAPI, Svelte, React, Vue, Scrapy, Linux, Php, Node.js, Nest.js

**Databases:** MySQL, MSSQL, Postgres, MongoDB, DynamoDB

**Tools:** Figma, Jira, GitHub, GCP, Docker

**Additional Skills:** REST API design, UI/UX development, Agile methodologies, ETL processes, Object-Oriented Programming (OOP)

**Extras:** C++ game in development - <https://github.com/scashmore/Space-Iguana-Dave>

### EDUCATION

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UNIVERSITY OF NORTH CAROLINA CHARLOTTE  
CERTIFICATE, FULL STACK WEB DEVELOPMENT

2021

THE CATHOLIC UNIVERSITY OF AMERICA  
*Masters of Music*

2020

BREVARD COLLEGE

2018

*BA in Mathematics, BA in Music Performance, Minor in Physics, Minor in History, Minor in Social Sciences*