

ANTHONY CATALINA

Denver, CO ♦ (609) 651-0935 ♦ antcatalina1@gmail.com

antcatalina.com ♦ linkedin.com/in/anthony-catalina

Skills

- **Languages & Frameworks:** React, TypeScript, JavaScript, Python, Flask, HTML, CSS, Bootstrap, MySQL
- **Tools:** Microsoft Office, Git, AWS, Visual Studio, VS Code, PyCharm, MySQL Workbench, SureMDM
- **Operating Systems:** macOS, Windows, Linux, Unix
- **Development Practices:** Agile Scrum methodology, Git-based version control.

Professional Experience

Software Engineer **Philadelphia Scientific, LLC** **September 2022 – Present**

- Designed and developed software for Battery Manager systems, optimizing operational workflows.
- Developed web applications for Fortune 500 clients, improving user interaction and operational efficiency.
- Provided troubleshooting support and resolved issues promptly, ensuring customer satisfaction and system stability.

Software Engineer **Regulus Group, LLC** **June 2021 – September 2022**

- Enhanced user interfaces, improving data input processes and reporting capabilities.
- Optimized database performance, reducing query turnaround times.
- Developed dashboard-style web applications for real-time and historical system monitoring, improving data accessibility for users.

Student Software Developer **Lockheed Martin** **January 2020 – May 2020**

- Developed a web-based tool to automate monitoring of cybersecurity vulnerability sources, including the National Vulnerability Database and DHS alerts, improving incident response times.

Software Projects

Battery Manager Operations Display

React, TypeScript, Bootstrap, Python, SQL, AWS

- Led the development of a web application that displays real-time battery maintenance activity across distribution centers.
- Incorporated interactive graphs and tables for real-time data visualization.
- Hosted on AWS S3, with automated deployments via GitHub Actions, streamlining deployment processes.

Battery Manager Touch Computer App

React, JavaScript, Bootstrap, Python, SQL, AWS

- Developed a web application for battery maintenance and management, optimizing tracking and reporting.
- Developed and deployed robust REST APIs with Python and SQL.
- Managed devices through SureMDM, and implemented across major distribution centers (Target, TJX, Uline).

Spectrum Analysis Tool

HTML, CSS, JavaScript, Python, Flask, Jinja, Leaflet.js, OpenStreetMap

- Led the design and development of the user interface for a tool analyzing flight radar data.
- Developed dynamic web pages using HTML, CSS, Bootstrap, and JavaScript, incorporating the Jinja templating engine.
- Built a comprehensive REST API using Python and Flask to handle data processing and management.
- Integrated interactive heatmaps with Leaflet.js for enhanced data visualization on the dashboard.

Education

Rowan University **Glassboro, NJ** **January 2021**

- Bachelor of Science: Computer Science
- Honors: Dean's List (Fall 2016, Spring 2017, Fall 2017, Spring 2020)