

# Desiree Pelletier

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## Technical Skills

**Languages:** Python, SQL, JavaScript, HTML/CSS, bash

**Operating systems:** Linux, macOS, WSL, Windows

**Other:** AWS, REST APIs, Git, GitHub, scripting, IaC,

networking, relational databases, Docker, Kubernetes, CI/CD

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## Education & Certifications

**AWS Certified Solutions Architect - Associate** | October 2023

**Coding Dojo** OAKLAND, CA | Full Stack Developer Certification - Python & Web Fundamentals | Spring 2021

**University of Rhode Island** KINGSTON, RI | Bachelor of Science, Applied Mathematics | Spring 2016

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## Experience

### Pearson

- Software Developer | June 2022 - May 2023
  - Led team efforts in the implementation and knowledge sharing of best practices for project structure and dependency management while utilizing the AWS CDK IaC framework.
  - Automated a severely manual process by implementing an AWS serverless web app saving internal customers hours of manual file manipulation.

### TechnologyAdvice

- Junior Software Engineer | October 2021 - June 2022
  - Optimized data parsing techniques for a business critical process, reducing total processing time and developer toil from hours to minutes.
  - Implemented automated Slack alert systems to improve database monitoring and process observability, reducing the need for daily complex database queries.
  - Reduced the amount of process failures for a business critical application by improving decoupling of services through the conversion of synchronous Flask endpoints to FastAPI asynchronous endpoints.

### Warren Rogers

- Manager, Technical Support Services | August 2021 - October 2021
  - Managed two team members, responsible for data analysis assistance to over 20 analysts and technical support both internally and externally for over 3,000 petroleum retail sites.
- Systems Engineer | May 2017 - August 2021
  - Provided 24/7 on-call support for critical data streaming issues, mitigating several potentially catastrophic petroleum leaks and helping clients remain in regulatory compliance.
  - Utilized bash and Python scripting to automate repetitive tasks, including software updates for thousands of remote data-streaming devices and generating project tracking spreadsheets.
  - Initiated the addition of several Linux aliases to the in-house device build processes for tedious commands used exceedingly often, greatly reducing toil and improving support team happiness.
- Data Analyst | June 2015 - May 2017
  - Performed statistical data analysis on hundreds of petroleum retail sites daily.